

2SSO10179	Active	800831 Brandon Chow	Certified
2SSO10179	Active	800881 Brandon Chow	Certified
2SSO10181	Active	705794 Ray Busch	Certified
2SSO10181	Active	707811 Dean Wilson	Certified
2SSO10181	Active	716907 Dean Wilson	Certified
2SSO10181	Active	732794 Dean Wilson	Certified
2SSO10181	Active	736541 Dean	Certified
2SSO10181	Active	739676 Dean Wilson	Certified
2SSO10181	Active	744559 Dean Wilson	Certified
2SSO10181	Active	744567 Dean Wilson	Certified
2SSO10181	Active	762427 Dean Wilson	Certified
2SSO10181	Active	765201 Ray Busch	Certified
2SSO10181	Active	770067 Ray Busch	Certified
2SSO10181	Active	777438 Ray Busch	Certified
2SSO10181	Active	782036 Ray Busch	Certified
2SSO10181	Active	787105 Dean	Certified
2SSO10181	Active	792035 Dean Wilson	Certified
2SSO10181	Active	793200 Dean Wilson	Certified
2SSO10181	Active	799022 Dean Wilson	Certified
2SSO10183	Active	654175 Sarah Parrish	Certified
2SSO10183	Active	654190 Sarah Parrish	Certified
2SSO10183	Active	654195 Sarah Parrish	Certified
2SSO10183	Active	654208 Sarah Parrish	Certified
2SSO10183	Active	654304 bob correa	Certified
2SSO10183	Active	654307 Sarah Parrish	Certified
2SSO10183	Active	657811 Sarah Parrish	Certified
2SSO10183	Active	707633 Sarah Parrish	Certified
2SSO10183	Active	707848 Sarah Parrish	Certified
2SSO10183	Active	707849 Sarah Parrish	Certified
2SSO10183	Active	707850 Sarah Parrish	Certified
2SSO10183	Active	707908 Sarah Parrish	Certified
2SSO10183	Active	708192 bob correa	Certified
2SSO10183	Active	708396 Sarah Parrish	Certified
2SSO10183	Active	708598 Sarah Parrish	Certified
2SSO10183	Active	708955 Sarah Parrish	Certified
2SSO10183	Active	709574 bcorrea	Certified
2SSO10183	Active	709575 bcorrea	Certified
2SSO10183	Active	709578 bob correa	Certified
2SSO10183	Active	710723 Sarah Parrish	Certified
2SSO10183	Active	710727 bob correa	Certified
2SSO10183	Active	710744 bob correa	Certified
2SSO10183	Active	710747 bob correa	Certified
2SSO10183	Active	710753 bob correa	Certified
2SSO10183	Active	710761 bob correa	Certified
2SSO10183	Active	710772 bob correa	Certified
2SSO10183	Active	710778 bob correa	Certified
2SSO10183	Active	710784 bob correa	Certified
2SSO10183	Active	710789 bob correa	Certified
2SSO10183	Active	710790 bob correa	Certified
2SSO10183	Active	711384 bob correa	Certified
2SSO10183	Active	711869 bob correa	Certified
2SSO10183	Active	711870 bob correa	Certified
2SSO10183	Active	711871 bob correa	Certified
2SSO10183	Active	711872 bob correa	Certified
2SSO10183	Active	711873 bob correa	Certified

Associate Engineer  
Associate Engineer  
Assistant Plant Manager  
WPC Manager  
WPC Manager  
WPC Manager  
Wilson  
WPC Manager  
WPC Manager  
WPC Manager  
WPC Manager  
Assistant Plant Manager  
Assistant WPCP Manager  
Assistant Plant Manager  
Assistant Plant Manager  
WPC Manager  
WPC Manager  
WPC Manager  
WPC Manager  
Sr Project Manager  
Sr Project Manager  
Sr. Project Manager  
Sr. Project Manager  
supervisor  
Sr. Project Manager  
Sr. Project Manager  
Sr Project Manager  
Sr. Project Manager  
Sr Project Manager  
Sr Project Manager  
Sr. Project Manager  
public works supv  
Project Manager  
Sr. Project Manager  
Sr Project Manager  
public works supervisor  
public works supervisor  
public works supv  
Sr Project Manager  
public works supv  
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public works supv  
public works supv  
public works supervisor  
public works supervisor  
public works supervisor  
public works supervisor  
PW supervisor  
public works supervisor  
public works supervisor

San Jose	791137
San Jose	150417
San Leandro	752310
San Leandro	948297
3000 Davis St.	237096
San Leandro	280199
San Leandro	189806
San Leandro	608335
San Leandro WPCP	907606
San Leandro WPCP	703647
San Leandro	472269
San Leandro	753834
San Leandro	349713
San Leandro	672669
San Leandro	825528
San Leandro	280754
San Leandro	772029
San Leandro	496324
San Leandro	458892
City of San Mateo 11:47am	916406
City of San Mateo 2:03pm	883956
City of San Mateo 2:47pm	417783
City of San Mateo 2:41pm	953034
	13:41 901810
City of San Mateo 4:40pm	940043
City of San Mateo 2:53pm	197853
City of San Mateo 11:03am	769948
City of San Mateo 4:23pm	602798
City of San Mateo 11:06am	896929
City of San Mateo 9:55am	514613
City of San Mateo 4:54pm	214123
	13:55 497908
City of San Mateo 2:45pm	595666
City of San Mateo 3:51pm	569700
City of San Mateo 11:33am	816951
city of san mateo	865471
city of san mateo	211875
	13:43 907719
City of San Mateo 5:23pm	366694
	14:08 548089
city of san mateo	559551
city of san mateo	762073
city of san mateo	894543
city of san mateo	696978
city of san mateo	114824
city of san mateo	830490
city of san mateo	364415
	14:15 445811
	13:30 136792
city of san mateo	296301
city of san mateo	181558
city of san mateo	400196
city of san mateo	380447
city of san mateo	764484
city of san mateo	211012

18-Nov-13	11/19/2013	21-Nov-13	11/21/2013
19-Nov-13	11/26/2013	26-Nov-13	11/26/2013
19-Oct-07		19-Oct-07	4/6/2011
16-Nov-07		16-Nov-07	9/25/2013
2-May-08		2-May-08	7/10/2008
29-Jan-09		29-Jan-09	1/29/2009
20-Apr-09		20-Apr-09	4/20/2009
22-Jun-09		22-Jun-09	6/22/2009
14-Sep-09		1-Oct-09	10/1/2009
14-Sep-09		1-Oct-09	10/1/2009
3-Feb-11	2/3/2011	4-Feb-11	2/4/2011
6-Apr-11	4/6/2011	6-Apr-11	4/6/2011
22-Aug-11	8/22/2011	22-Aug-11	8/22/2011
14-Feb-12	2/14/2012	14-Feb-12	2/14/2012
8-Jun-12	6/8/2012	8-Jun-12	8/1/2012
10-Oct-12	10/10/2012	10-Oct-12	10/10/2012
25-Feb-13	2/25/2013	25-Feb-13	2/25/2013
5-Apr-13	4/5/2013	5-Apr-13	4/5/2013
24-Sep-13	9/24/2013	24-Sep-13	9/24/2013
16-Jul-07		13-Nov-07	12/10/2010
16-Jul-07		13-Nov-07	12/10/2010
16-Jul-07		13-Nov-07	12/7/2010
16-Jul-07		13-Nov-07	12/7/2010
18-Jul-07		8-Jan-08	1/8/2008
18-Jul-07		18-Dec-07	12/3/2010
20-Sep-07		13-Nov-07	12/3/2010
13-Nov-07		10-Dec-10	12/10/2010
16-Nov-07		3-Dec-10	12/3/2010
16-Nov-07		8-Jan-08	12/9/2010
16-Nov-07		10-Dec-10	12/10/2010
20-Nov-07		8-Jan-08	12/3/2010
27-Nov-07		8-Jan-08	1/8/2008
29-Nov-07		10-Mar-09	3/10/2009
3-Dec-07		8-Jan-08	12/3/2010
11-Dec-07		8-Jan-08	12/9/2010
17-Dec-07		2-Jan-08	1/2/2008
17-Dec-07		2-Jan-08	1/2/2008
17-Dec-07		2-Jan-08	1/8/2008
7-Jan-08		8-Jan-08	12/8/2010
7-Jan-08		8-Jan-08	1/8/2008
7-Jan-08		8-Jan-08	1/8/2008
7-Jan-08		8-Jan-08	1/8/2008
7-Jan-08		8-Jan-08	1/8/2008
7-Jan-08		8-Jan-08	1/8/2008
7-Jan-08		8-Jan-08	1/8/2008
7-Jan-08		8-Jan-08	1/8/2008
7-Jan-08		8-Jan-08	1/8/2008
7-Jan-08		8-Jan-08	1/8/2008
7-Jan-08		8-Jan-08	1/8/2008
17-Jan-08		31-Jan-08	1/31/2008
26-Jan-08		30-Jan-08	1/31/2008
26-Jan-08		31-Jan-08	1/31/2008
26-Jan-08		31-Jan-08	1/31/2008
26-Jan-08		31-Jan-08	1/31/2008
26-Jan-08		31-Jan-08	1/31/2008



Category 3	130	260	260
Category 1	0	510	50
Category 1		100	50
Category 1	0	8500	500
Category 3		100	100
Category 3		600	600
Category 3		200	200
Category 3		100	0
Category 3		50	50
Category 3		50	50
Category 3		15	15
Category 3		864	864
Category 1		1625	1000
Category 3		20	20
Category 2		2250	2250
Category 2		1935	0
Category 3		822	0
Category 3		100	0
Category 3	840	840	800
Category 3		375	375
Category 3		200	200
Category 3		5	5
Category 3		300	300
Category 1		370	0
Category 1		875	5
Category 1		6000	5500
Category 1		6250	0
Category 1		4500	0
Category 3		400	400
Category 1		1125	0
Category 1		620	50
Category 3		100	
Category 3		10	10
Category 3		50	50
Category 1		1750	1250
Category 3		20	
Category 3		10	
Category 3		50	50
Category 3		200	200
Category 1		13500	0
Category 1		36000	0
Category 1		126000	0
Category 1		84000	0
Category 1		13500	0
Category 1		2250	0
Category 1		7500	0
Category 1		72000	0
Category 1		90000	0
Category 1		18000	0
Category 3		60	10
Category 1		66000	0
Category 1		106875	0
Category 1		800	0
Category 1		43875	0
Category 1		21000	0

0 No	Yes
510 Yes	No
50 Yes	Yes
8000 Yes	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
625 Yes	Yes
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
370 Yes	Yes
870 No	Yes
500 Yes	Yes
6250 Yes	No
4500 No	Yes
0 No	Yes
1125 Yes	No
570 Yes	Yes
No	No
0 No	No
0 No	No
500 Yes	Yes
No	No
No	No
No	No
0 No	Yes
13500 Yes	Yes
36000 Yes	Yes
126000 Yes	Yes
84000 Yes	Yes
13500 Yes	Yes
2250 Yes	Yes
7500 Yes	Yes
72000 Yes	Yes
90000 Yes	Yes
18000 Yes	Yes
No	No
66000 Yes	Yes
106875 Yes	Yes
800 Yes	Yes
43875 Yes	Yes
21000 Yes	Yes

Yes  
Not Applicable - Spill did not reach a separate storm drainpipe  
No  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Yes  
Yes  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Yes  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
No  
Not Applicable - Spill did not reach a separate storm drainpipe  
Yes  
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Not Applicable - Spill did not reach a separate storm drainpipe  
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Not Applicable - Spill did not reach a separate storm drainpipe  
No  
No  
No  
Not Applicable - Spill did not reach a separate storm drainpipe  
No  
Yes  
Not Applicable - Spill did not reach a separate storm drainpipe  
No  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
No  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Yes  
No  
No  
No  
No  
No  
No  
No  
No  
No  
Not Applicable - Spill did not reach storm drainpipe  
No  
No  
No  
No  
No

4928 Collomia Ct  
San Felipe Rd near Heartland Dr  
Manhole  
1398 Benedict Drive  
695 Martin Ave.  
618 Broadmoor Blvd.  
1201 Sandelin Mainline Sewer Manhole  
1683 Graff Ave.  
Durant and Kenilworth M/H  
2435 Bermuda Ave  
Marina Inn Monarch Bay  
101 Callan  
1201 Sandelin  
1984 Wayne  
Marina Inn  
Metropolitan Golf Links Maintenance Area  
Basement/Driveway  
Metropolitan Golf Links  
Kaiser Construction Area  
Parrott & Treetop  
867 Parrott Dr.  
El Camino Real & Santa Inez  
Warren & Costa Rica  
Arroyo Court & Dartmouth  
1555 West Hillsdale  
Marina Market  
3943 Kingridge  
31st & Del Monte  
26th & Isabelle  
3921 Kingridge  
Lago & Los Prados  
370 Kingridge  
Beacon & Bayshore  
343 WARREN  
2318 Hacienda  
2613 Isabelle  
143 Arbor  
655 N. Delaware  
20th & O'Farrell  
37th & El Camino Real  
4200 S El Camino Real  
Delaware & Saratoga  
2077 S Delaware  
39th & Colgrove  
2645 El Camino Real  
39th & Beresford  
2051 Norfolk  
2075 Norfolk  
3790 S El Camino Real  
4209 Alameda  
East Poplar & Bayshore  
228 24th Avenue  
9th Avenue & Idaho  
39th Avenue & Hacienda  
703 Edinburgh

37.269894	-121.817667 Santa Clara
37.269669	-121.739661 Santa Clara
37.725278	-122.159639 Alameda
37.728333	-122.137597 Alameda
37.724417	122.179094 Alameda
37.738217	122.153106 Alameda
37.728306	-122.136511 Alameda
37.727989	-122.131175 Alameda
37.739639	-122.152 Alameda
37.695619	-122.178447 Alameda
37.697778	-122.188611 Alameda
37.725833	-122.155278 Alameda
37.72826	-122.13671 Alameda
37.7141	-122.16324 Alameda
37.697911	-122.188381 Alameda
37.721444	-122.19425 Alameda
37.729267	-122.134 Alameda
37.721278	-122.194389 Alameda
37.703361	-122.167611 Alameda
37.548333	-122.338611 San Mateo
37.548222	-122.339008 San Mateo
37.569382	-122.334223 San Mateo
37.569557	-122.347388 San Mateo
37.56	122.32 San Mateo
37.530833	-122.33 San Mateo
37.54427	-122.284065 San Mateo
37.525358	-122.30803 San Mateo
37.53234	-122.31532 San Mateo
37.541763	-122.312508 San Mateo
37.525548	-122.309571 San Mateo
37.544834	-122.280867 San Mateo
37.52834307	122.3110604 San Mateo
37.57017404	-122.3121539 San Mateo
37.56955651	-122.3473875 San Mateo
37.544053	-122.309608 San Mateo
37.5414	122.312225 San Mateo
37.535989	122.304069 San Mateo
37.578142	122.332217 San Mateo
37.547234	-122.313881 San Mateo
37.53437384	122.2946824 San Mateo
37.5302825	122.2890905 San Mateo
37.54849148	122.3049595 San Mateo
37.54971938	122.3049443 San Mateo
37.53183777	122.2951418 San Mateo
37.54329605	122.3042704 San Mateo
37.53236462	122.2938677 San Mateo
37.55371047	122.2910418 San Mateo
37.55339909	122.2907546 San Mateo
37.53407294	122.2943048 San Mateo
37.524836	-122.302628 San Mateo
37.58062597	-122.3241349 San Mateo
37.54376177	-122.3107081 San Mateo
37.56636471	-122.3110872 San Mateo
37.5292147	-122.301543 San Mateo
37.55653044	-122.3262853 San Mateo

[illegible]

The spill originated from a manhole and flowed into a dry creek bed.  
Manhole in roadway  
Below street in front of 1398 Benedict Drive

utility room

Main easment sewer line dischsrge in to marina Inn parking lot.

Manhole in driveway at 1201 Sandelin

Parking lot of Marina Inn

Planter area at S/W corner of Merced & Fairway  
Manhole in ROW

MH #12E-14X at the (northern) intersection of W. Santa Inez and El Camino Real.

Parking Lot of Shopping Center - Lateral going into SSMH 21O04X  
MH in backyard easement overflowed directly into creek

rear yard  
manhole in street

1  
1  
1

1



[illegible]

Manhole was not overflowing on arrival.

8 sewer pipe shifted and causing an SSO into a 24 storm pipe

Resident's clean out

MH#279-03X

Manhole overflow at MH# 19D-04X in easement behind 867 Parrott Dr.

MH# 11C-04X

MH# 25F-01X

Private Cleanout and Grease Interceptor on Lateral

28J-12X

25I-18X (490-23X)

22I-09X

28J-01X

MH# 539-10X

Lampost Cleanout

MH# 134-07X

Private cleanout on private lateral - blockage in mainline.  
cleanout in garage

cleanout on lateral

MH# 386-14X

Separate Storm Drain;Street/Curb and Gutter  
Drainage Channel  
Unpaved surface  
Surface water  
Street/curb and gutter  
Storm drain  
Storm drain  
Other (specify below)  
Street/curb and gutter  
Storm drain  
Other paved surface  
Building or structure  
Surface water  
Street/curb and gutter  
Separate storm drain  
Unpaved surface  
Other (specify below)  
Unpaved surface  
Other (specify below)  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Storm drain;Street/curb and gutter;Surface water  
Separate storm drain;Street/curb and gutter;Unpaved surface  
Other paved surface;Separate storm drain;Street/curb and gutter  
Surface water  
Separate storm drain;Street/curb and gutter  
Separate storm drain  
Surface water  
Separate storm drain  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Separate storm drain  
Building or structure  
Street/curb and gutter  
Street/curb and gutter  
Separate storm drain  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Unpaved surface  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water

The spill reached a dry creek bed. No water was flowing in the creek bed at the time.  
Dry section of San Leandro Creek

clean up and disposal

San Leandro Creek

Private driveway

Paved and unpaved Surface

Small amount of sewage spilled on curb and gutter. Overflow stopped prior to arrival of crews.

MH# 14F-07X spilled onto street/curb/gutter and flowed into a nearby storm drain inlet (catchbasin). The pipe from this storm drain inlet spilled down unpaved steep hill to street/curb/gutter where it entered storm drain inlet that led directly to a storm channel.

Bubble-up storm drain

10/19/2013 8:00	10/19/2013 9:39	10/19/2013 10:10	10/19/2013 10:10
11/15/2013 10:30	11/15/2013 11:07	11/15/2013 12:45	11/15/2013 13:37
10/17/2007 17:23	10/17/2007 17:23	10/17/2007 17:30	10/17/2007 17:55
11/15/2007 11:45	11/15/2007 12:10	11/15/2007 12:10	11/15/2007 13:10
4/29/2008 7:30	4/29/2008 7:30	4/29/2008 7:45	4/29/2008 8:10
12/12/2008 9:00	12/12/2008 9:00	12/12/2008 9:00	12/12/2008 9:05
4/17/2009 15:30	4/17/2009 15:30	4/17/2009 16:00	4/17/2009 16:10
5/11/2009 15:25	5/11/2009 15:25	5/11/2009 15:30	5/11/2009 15:25
8/22/2009 13:00	8/22/2009 13:00	8/22/2009 13:20	8/22/2009 13:25
8/18/2009 9:20	8/18/2009 9:20	8/18/2009 9:35	8/18/2009 9:35
1/12/2011 1:10	1/12/2011 1:10	1/12/2011 1:25	1/12/2011 1:30
3/8/2011 7:00	3/10/2011 13:13	3/10/2011 13:25	3/10/2011 14:10
8/20/2011 10:25	8/20/2011 10:25	8/20/2011 11:20	8/20/2011 11:20
2/3/2012 10:50	2/3/2012 10:50	2/3/2012 10:55	2/3/2012 11:22
6/7/2012 19:00	6/7/2012 19:40	6/7/2012 20:30	6/7/2012 20:40
9/19/2012 14:41	9/19/2012 14:41	9/19/2012 14:55	9/19/2012 16:45
1/12/2013 3:00	1/12/2013 3:30	1/12/2013 4:05	1/12/2013 4:45
4/3/2013 14:50	4/3/2013 14:50	4/3/2013 15:10	4/3/2013 15:20
8/23/2013 7:00	8/23/2013 8:52	8/23/2013 9:02	8/23/2013 9:30
5/11/2007 8:10	5/11/2007 8:10	5/11/2007 8:10	5/11/2007 8:25
6/3/2007 12:30	6/3/2007 12:30	6/3/2007 12:45	6/3/2007 13:15
6/4/2007 9:20	6/4/2007 9:20	6/4/2007 9:55	6/4/2007 9:20
6/14/2007 8:40	6/14/2007 8:40	6/14/2007 9:00	6/14/2007 9:30
6/18/2007 0:00	6/18/2007 9:00	6/18/2007 9:00	6/18/2007 9:15
6/15/2007 9:00	6/15/2007 9:00	6/15/2007 9:20	6/15/2007 9:35
9/19/2007 12:35	9/19/2007 12:35	9/19/2007 12:45	9/19/2007 13:45
11/10/2007 12:55	11/10/2007 12:55	11/10/2007 13:25	11/10/2007 15:00
11/16/2007 7:45	11/16/2007 7:45	11/16/2007 7:55	11/16/2007 8:30
11/16/2007 9:20	11/16/2007 9:20	11/16/2007 9:45	11/16/2007 10:00
11/16/2007 10:20	11/16/2007 10:20	11/16/2007 10:50	11/16/2007 11:05
10/23/2007 10:59	10/23/2007 10:59	10/23/2007 11:25	10/23/2007 11:30
11/21/2007 0:00	11/21/2007 16:50	11/21/2007 17:10	11/21/2007 18:10
11/24/2007 13:10	11/24/2007 13:32	11/24/2007 14:15	11/24/2007 14:30
11/30/2007 8:15	11/30/2007 8:25	11/30/2007 8:35	11/30/2007 8:50
12/10/2007 11:10	12/10/2007 11:10	12/10/2007 11:25	12/10/2007 11:45
12/16/2007 0:00	12/16/2007 19:25	12/16/2007 19:50	12/16/2007 20:10
12/16/2007 0:00	12/16/2007 9:25	12/16/2007 10:20	12/16/2007 10:35
12/16/2007 0:00	12/16/2007 19:45	12/16/2007 21:30	12/16/2007 22:15
1/1/2008 9:45	1/1/2008 9:45	1/1/2008 10:35	1/1/2008 10:45
1/4/2008 0:00	1/4/2008 11:05	1/4/2008 11:15	1/4/2008 14:00
1/4/2008 0:00	1/4/2008 10:45	1/4/2008 11:00	1/4/2008 19:00
1/4/2008 0:00	1/4/2008 10:00	1/4/2008 10:15	1/5/2008 0:30
1/4/2008 0:00	1/4/2008 10:00	1/4/2008 10:15	1/5/2008 0:30
1/4/2008 0:00	1/4/2008 11:15	1/4/2008 11:00	1/4/2008 14:00
1/4/2008 0:00	1/4/2008 11:20	1/4/2008 11:30	1/4/2008 13:00
1/4/2008 0:00	1/4/2008 11:20	1/4/2008 11:20	1/4/2008 14:00
1/4/2008 0:00	1/4/2008 11:45	1/4/2008 11:45	1/4/2008 22:45
1/4/2008 0:00	1/4/2008 11:45	1/4/2008 11:45	1/4/2008 23:50
1/4/2008 0:00	1/4/2008 11:05	1/4/2008 11:05	1/4/2008 14:00
1/16/2008 0:00	1/16/2008 10:15	1/16/2008 10:30	1/16/2008 0:00
1/25/2008 0:00	1/25/2008 17:00	1/25/2008 17:00	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 13:40	1/25/2008 13:40	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 19:00	1/25/2008 19:00	1/25/2008 20:00
1/25/2008 0:00	1/25/2008 18:15	1/25/2008 18:15	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 17:30	1/25/2008 18:00	1/25/2008 20:00

Pipe Structural Problem/Failure  
Debris-General  
Debris-General  
Pipe structural problem/failure  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debris-General  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Other (specify below)  
Debris-General  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Pipe Structural Problem/Failure  
Root intrusion  
Root intrusion  
Other (specify below)  
Root intrusion  
Other (specify below)  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Other (specify below)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Other (specify below)  
Root intrusion  
Other (specify below)  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Other (specify below)  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design

Grease accumulation in sag

A piece of pipe was found lodged in the segment. Grease accumulated on that debris which led to the stoppage.

Debris, pipe problem failure, grease, debris from lateral

Unknown

Asphalt from a recent street rehab project entered sewer pipe and caused an obstruction.

Unknown

unknown

Detergent

unknown; CCTV

Gravity Mainline  
Gravity Mainline  
Main  
Gravity Mainline

Main

Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Force Main  
Main  
Main  
Main  
Main

Main  
Main  
Main  
Main  
Main  
Main  
Main

Main  
Main

Main





No	
No	6 VCP
No	8 vcp

8 vcp  
10 vcp  
8 vcp  
  
8 vcp

No	10 A.C 6 VCP 6 VCP 6 6 8 VCP 8 VCP 10 VCP 6 VCP 6 VCP 6 VCP 6 VCP 6 VCP 8 VCP 6 6 vcp 6 VCP 8 VCP
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8 VCP  
10 clay  
10  
24 clay  
24 clay  
8 clay  
10 clay  
8 clay  
18 clay  
18 clay  
10 clay  
6 VCP  
24  
8

47

40

60

240

50

50

60

60

35

44

22

57

65

23

48

65

70

77

68



- A sewage pipe break was discovered on Thursday, November 15, in the Bay-O-Vista area by a local resident, and the P

Call Restoration Management for structure clean up

Emergency dig-up of sewer pipe to remove asphalt.

turn soil disinfect area

Boomed storm drains for solids collection  
Boomed storm drains to collect solids.  
Boomed storm drains to collect solids.  
Boomed storm drains to collect solids  
Boomed storm drains to collect solids  
Boomed storm drain to collect solids  
Boomed storm drain to collect solids  
Boomed storm drain to collect solids  
Boomed storm drain to collect solids  
Boomed storm drain to collect solids

11/15/2013 16:00  
10/17/2007 18:00  
11/15/2007 13:10

8/20/2011 14:30

6/8/2012 10:30  
9/19/2012 16:45

7/9/2007 2:30  
6/15/2007 10:10  
9/19/2007 15:15  
11/10/2007 16:15  
11/16/2007 8:40

11/16/2007 11:35  
10/23/2007 12:10

12/10/2007 13:00

1/4/2008 16:00  
1/4/2008 19:00  
1/5/2008 9:00  
1/5/2008 9:15  
1/4/2008 14:00  
1/4/2008 17:45  
1/4/2008 18:15  
1/5/2008 12:00  
1/5/2008 12:00  
11/4/2008 18:30

1/26/2008 4:00  
1/26/2008 4:00  
1/25/2008 20:30  
1/26/2008 4:00  
1/25/2008 20:00

Added sewer to preventive maintenance program;Inspected Sewer Using CCTV to Determine Cause  
Adjusted schedule/method of preventive maintenance  
Plan rehabilitation or replacement of sewer;Repaired sewer

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance  
Other (specify below)

Repaired sewer  
Adjusted schedule/method of preventive maintenance  
Added sewer to preventive maintenance program  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer  
Other (specify below)

Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
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Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer

Added segment on a 24month cleaning cycle. contacted Cal OES at 13:19 contacted Dept of Fish and Wildlife at 13:31

Installed a fence access gate to remote manhole

none



No  
No  
No

Yes

Yes  
No

No  
No  
No  
No  
No

Yes  
No

No

No  
No  
No  
No  
No  
No  
No  
No  
No  
No

No  
No  
No  
No  
No

Spill did not reach water. The end location was a dry creek bed.  
N/A  
No solids, no floatables, no debris.

NONE

none

N/A

No visual indicators.  
No visual indicators.  
No visual indicators.  
No visual indicators.  
No visual indicators.  
No visual indicators.  
No visual indicators.  
No visual indicators.  
No visual indicators.

No  
No  
Yes

No  
  
No

No

No  
No

Yes  
Yes  
Yes  
Yes  
No

No  
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No

Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes

Yes  
Yes  
Yes  
Yes  
Yes

NA  
N/A  
NA

NONE

NA  
NA  
N/A  
N/A  
Aquatic Park Beach

NA  
NA

N/A  
NA

Parkside Aquatic Beach  
Parkside Aquatic Beach  
Parkside Aquatic Beach  
Parkside Aquatic Beach  
Parkside Aquatic Beach  
Parkside Aquatic Beach  
Parkside Aquatic Beach  
Parkside Aquatic Beach  
Parkside Aquatic Beach  
Parkside Aquatic Beach

NA  
NA  
NA  
NA  
NA

San Leandro Creek  
San Leandro Creek

NONE

none

San Leandro Creek

None

none

None

N/A

N/A

N/A

N/A

N/A

San Mateo Creek

East Laurel Channel

Marina Lagoon

Kingridge Creek

East Laurel Channel & Marina Lagoon

N/A

Kingridge Creek

Marina Lagoon

N/A

19th Ave Channel

N/A

East Laurel Creek

East Laurel Creek

19th Ave Channel

19th Ave Channel

East Laurel Creek

19 Ave Channel

East Laurel Creek

19 Ave Channel

19 Ave Channel

East Laurel creek

Poplar Creek

19th Avenue Channel

San Mateo Creek

East Laurel Creek

San Mateo Creek

No water quality samples taken;Not applicable to this spill  
Not applicable to this spill  
Biological indicator(s) - specify below

Biological indicator(s) - specify below

Biological indicator(s) - specify below  
Not applicable to this spill

No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken

No water quality samples taken  
No water quality samples taken

No water quality samples taken

No water quality samples taken  
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No water quality samples taken  
No water quality samples taken

No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken

COD, BOD, total and fecal coliform, ammonia

BOD

Coliform

No water quality samples taken;Not applicable to this spill  
Not applicable to this spill  
Other (specify below)

None of the above

None of the above  
Not applicable to this spill

None of the above  
None of the above  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken

No water quality samples taken  
No water quality samples taken

No water quality samples taken

No water quality samples taken  
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No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken



City of San Leandro CUPA

City WPCP LAB

duration flow rate. 1gallon per minute x 170 minutes = 170 gallons (closed manhole). 20gallons per minute x 17 minutes  
visual estimate and time

Used reference sheet for estimating SSO's and volume estimate on impermeable surface

137068	11/15/2013 13:19
77066	11/15/2007 13:42
114966	8/21/2011 19:00
73371	6/3/2007 0:00
75755	9/20/2007 13:35
107422	12/10/2010 11:00
107258	12/3/2010 16:20
107414	12/10/2010 9:50
77640	12/10/2007 12:00
80139	1/5/2008 10:18
80142	1/5/2008 10:23
80144	1/5/2008 10:25
80146	1/5/2008 10:28
80138	1/5/2008 10:15
80136	1/5/2008 10:10
80137	1/5/2008 10:14
80134	1/5/2008 9:58
80135	1/5/2008 10:06
80141	1/5/2008 10:21
80760	1/26/2008 12:00
80747	1/26/2008 12:00
80764	1/26/2008 12:00
80763	1/26/2008 12:00
80762	1/26/2008 12:00

Brandon Chow, Associate Engineer  
Brandon Chow, Associate Engineer

4087941947  
4087941947

Rick Orta

5105773434

Justin Jenson Supervisor

5105776059

2SSO10183	Active	711874 bob correa	Certified
2SSO10183	Active	711875 bob correa	Certified
2SSO10183	Active	711876 bob correa	Certified
2SSO10183	Active	711877 bob correa	Certified
2SSO10183	Active	711878 bob correa	Certified
2SSO10183	Active	711880 bob correa	Certified
2SSO10183	Active	711881 bob correa	Certified
2SSO10183	Active	711882 Sarah Parrish	Certified
2SSO10183	Active	711883 bob correa	Certified
2SSO10183	Active	711884 bob correa	Certified
2SSO10183	Active	711885 bob correa	Certified
2SSO10183	Active	711886 bob correa	Certified
2SSO10183	Active	711887 bob correa	Certified
2SSO10183	Active	711888 bob correa	Certified
2SSO10183	Active	711968 bob correa	Certified
2SSO10183	Active	713986 Sarah Parrish	Certified
2SSO10183	Active	714274 Sarah Parrish	Certified
2SSO10183	Active	714400 Sarah Parrish	Certified
2SSO10183	Active	715189 bob correa	Certified
2SSO10183	Active	715228 Bob Correa	Certified
2SSO10183	Active	715238 Bob Correa	Certified
2SSO10183	Active	715451 Bob Correa	Certified
2SSO10183	Active	716879 bob correa	Certified
2SSO10183	Active	717387 Bob Correa	Certified
2SSO10183	Active	718571 Bob Correa	Certified
2SSO10183	Active	720052 Bob Correa	Certified
2SSO10183	Active	720054 bob correa	Certified
2SSO10183	Active	721472 Bob Correa	Certified
2SSO10183	Active	722372 Darla Reams	Certified
2SSO10183	Active	722377 Darla Reams	Certified
2SSO10183	Active	722690 Darla Reams	Certified
2SSO10183	Active	724339 Sarah Parrish	Certified
2SSO10183	Active	724586 Darla Reams	Certified
2SSO10183	Active	724590 Sarah Parrish	Certified
2SSO10183	Active	725050 Sarah Parrish	Certified
2SSO10183	Active	725073 Sarah Parrish	Certified
2SSO10183	Active	725294 Sarah Parrish	Certified
2SSO10183	Active	725467 Sarah Parrish	Certified
2SSO10183	Active	725822 Sarah Parrish	Certified
2SSO10183	Active	725985 Sarah Parrish	Certified
2SSO10183	Active	726710 Sarah Parrish	Certified
2SSO10183	Active	726780 Sarah Parrish	Certified
2SSO10183	Active	727767 Sarah Parrish	Certified
2SSO10183	Active	727797 Sarah Parrish	Certified
2SSO10183	Active	728070 Sarah Parrish	Certified
2SSO10183	Active	728489 Sarah Parrish	Certified
2SSO10183	Active	729438 Sarah Parrish	Certified
2SSO10183	Active	729947 Sarah Parrish	Certified
2SSO10183	Active	730265 Sarah Parrish	Certified
2SSO10183	Active	730344 Sarah Parrish	Certified
2SSO10183	Active	730582 Sarah Parrish	Certified
2SSO10183	Active	730639 Sarah Parrish	Certified
2SSO10183	Active	730865 Sarah Parrish	Certified
2SSO10183	Active	730984 Sarah Parrish	Certified
2SSO10183	Active	731134 Sarah Parrish	Certified

public works supervisor  
public works supervisor  
PW Supervisor  
PW Supervisor  
PW Supervisor  
PW Supervisor  
PW Supervisor  
Sr Project Manager  
PW Supervisor  
PW Supervisor  
public works supervisor  
PW Supervisor  
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public works supervisor  
Sr. Project Manager  
Sr Project Manager  
Sr. Project Manager  
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Public Works Supervisor  
public works supervisor  
Public Works Supervisor  
Deputy Director of Public Works  
Deputy Director of Public Works  
Deputy Director of Public Works  
Sr. Project Manager  
Deputy Director of Public Works  
Sr Project Manager  
Project Manager  
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Sr. Project Manager  
Sr Project Manager

city of san mateo	604295
city of san mateo	303268
city of san mateo	388577
city of san mateo	481086
city of san mateo	922385
city of san mateo	302254
city of san mateo	842800
City of San Mateo 10:45am	591432
city of san mateo	722790
city of san mateo	975875
city of san mateo	789281
city of san mateo	297886
city of san mateo	749253
city of san mateo	325007
city of san mateo	950717
City of San Mateo 2:17pm	956484
City of San Mateo 5:46pm	735885
City of San Mateo 5:02pm	511570
city of san mateo	728788
City of San Mateo	949497
City of San Mateo	988010
City of San Mateo	697718
city of san mateo	482003
City of San Mateo	842424
City of San Mateo	604985
City of San Mateo	569223
City of San Mateo	117502
City of San Jose	569763
San Mateo	423935
San Mateo	297950
San Mateo	378216
City of San Mateo 3:00pm	155443
San Mateo	315595
City of San Mateo 4:56pm	804190
11:55am	765740
11:50am	579021
City of San Mateo 11:53am	983487
City of San Mateo 2:51pm	326155
City of San Mateo 3:35pm	814244
City of San Mateo 11:41am	468180
City of San Mateo 5:33pm	560934
3:00pm	534351
City of San Mateo 3:02pm	355175
City of San Mateo 2:07pm	993306
4:09pm	493071
City of San Mateo 2:31pm	507180
7am	581964
10:27am	440676
7:20am	534088
2:35pm	390523
8:30am	483865
8:05am	259924
12:30pm	562826
City of San Mateo 2:55pm	802411
City of San Mateo 2:12pm	916182

26-Jan-08	31-Jan-08	1/31/2008
26-Jan-08	31-Jan-08	1/31/2008
26-Jan-08	31-Jan-08	1/31/2008
26-Jan-08	31-Jan-08	1/31/2008
26-Jan-08	31-Jan-08	1/31/2008
26-Jan-08	31-Jan-08	1/31/2008
26-Jan-08	31-Jan-08	1/31/2008
26-Jan-08	31-Jan-08	12/9/2010
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26-Jan-08	31-Jan-08	1/31/2008
29-Jan-08	31-Jan-08	2/1/2008
26-Feb-08	27-Feb-08	12/7/2010
28-Feb-08	29-Feb-08	12/8/2010
3-Mar-08	4-Mar-08	12/3/2010
23-Mar-08	24-Mar-08	3/24/2008
24-Mar-08	24-Mar-08	3/24/2008
24-Mar-08	24-Mar-08	3/24/2008
27-Mar-08	7-Apr-08	4/7/2008
2-May-08	7-May-08	5/7/2008
14-May-08	15-May-08	5/15/2008
2-Jun-08	2-Jun-08	6/2/2008
23-Jun-08	24-Jun-08	6/24/2008
23-Jun-08	24-Jun-08	6/24/2008
3-Jul-08	8-Jul-08	7/8/2008
15-Jul-08	15-Jul-08	7/15/2008
15-Jul-08	15-Jul-08	7/15/2008
17-Jul-08	17-Jul-08	7/17/2008
7-Aug-08	13-Aug-08	12/7/2010
13-Aug-08	13-Aug-08	8/13/2008
13-Aug-08	13-Aug-08	12/8/2010
22-Aug-08	22-Aug-08	8/22/2008
22-Aug-08	22-Aug-08	8/22/2008
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29-Aug-08	3-Sep-08	12/7/2010
5-Sep-08	5-Sep-08	12/3/2010
10-Sep-08	12-Sep-08	12/7/2010
23-Sep-08	23-Sep-08	12/8/2010
23-Sep-08	23-Sep-08	9/23/2008
13-Oct-08	31-Oct-08	12/3/2010
14-Oct-08	14-Oct-08	12/10/2010
17-Oct-08	17-Oct-08	10/17/2008
26-Oct-08	27-Oct-08	12/7/2010
19-Nov-08	22-Nov-08	11/22/2008
30-Nov-08	30-Nov-08	11/30/2008
5-Dec-08	6-Dec-08	12/6/2008
9-Dec-08	9-Dec-08	12/9/2008
16-Dec-08	16-Dec-08	12/16/2008
16-Dec-08	17-Dec-08	12/17/2008
20-Dec-08	26-Dec-08	12/26/2008
22-Dec-08	26-Dec-08	12/3/2010
29-Dec-08	30-Dec-08	12/10/2010



Category 1	40500	0
Category 1	20625	0
Category 1	186000	0
Category 1	144000	0
Category 1	297000	0
Category 1	93000	0
Category 1	378000	0
Category 1	95000	0
Category 1	192000	0
Category 1	160125	0
Category 1	240000	0
Category 1	336000	0
Category 1	126000	0
Category 1	15000	0
Category 1	7575	0
Category 3	400	400
Category 3	300	300
Category 1	1000	800
Category 1	600	0
Category 1	500	0
Category 1	3050	0
Category 1	900	0
Category 3	200	50
Category 3	175	175
Category 3	150	150
Category 3	70	70
Category 3	40	40
Category 3	20	0
Category 1	350	0
Category 1	175	0
Category 1	400	0
Category 3	100	100
Category 3	80	0
Category 3	25	25
Category 1	450	300
Category 1	250	200
Category 3	50	50
Category 3	100	100
Category 3	75	75
Category 3	225	225
Category 1	100	0
Category 1	100	0
Category 3	20	20
Category 1	325	0
Category 3	275	175
Category 1	200	100
Category 3	175	175
Category 1	150	0
Category 3	200	50
Category 3	275	275
Category 3	90	90
Category 3	150	150
Category 3	52	52
Category 3	75	75
Category 1	54	44

40500 Yes	Yes
20625 Yes	Yes
186000 Yes	Yes
144000 Yes	Yes
297000 Yes	Yes
93000 Yes	Yes
378000 Yes	Yes
95000 Yes	Yes
192000 Yes	Yes
160125 Yes	Yes
240000 Yes	Yes
336000 Yes	Yes
126000 Yes	Yes
15000 Yes	Yes
7575 Yes	Yes
0 No	No
0 No	No
200 Yes	Yes
600 Yes	No
500 Yes	No
3050 Yes	No
900 Yes	Yes
0 No	No
0 No	Yes
0 No	Yes
0 No	Yes
0 No	Yes
0 No	No
100 Yes	Yes
175 Yes	Yes
400 Yes	Yes
0 No	Yes
0 No	No
0 No	Yes
150 Yes	Yes
50 Yes	No
0 No	Yes
0 No	Yes
0 No	No
0 No	Yes
100 Yes	Yes
100 Yes	Yes
0 No	No
325 Yes	No
0 No	Yes
100 No	Yes
0 No	Yes
150 Yes	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
10 Yes	Yes

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No  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
No  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach a separate storm drainpipe  
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Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
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Yes  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Yes  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
No

2502 Alameda  
70 29th Avenue  
2000 S. Norfolk  
3708 El Camino  
Delaware & Saratoga  
41st Avenue & El Camino  
Hillsdale & El Camino  
29th Avenue & Juniper  
2500 S. Delaware  
2027 S. Delaware  
3740 S. El Camino  
27th Avenue & El Camino  
24th Avenue & Flores  
1777 Van Buren  
1709 Shoreview  
3115 Hacienda  
400 Barroilhet  
42nd & Midvale  
4015 Kingridge  
3905 Kingridge  
3903 Kingridge  
3616 Kingridge  
642 26th Ave  
4300 Camdenst  
72 Oak Valley Rd  
2224 South Hampton  
301 La Casa  
876 Parrott  
Shasta Dr  
1624 Lodi  
Glendora  
605 16th Ave  
21 Oak Valley Rd.  
2127 Shoreview  
78 oak valley rd  
39 Oak vally  
28th @ Sunset Terrace  
189 42nd Ave  
506 N. Delaware  
Nadina and Hobart  
Los Prados & Kimberly  
1750 El Camino Real  
Tilton Ave and Railroad Ave  
4015 Kingridge Dr.  
19 ridgecrest  
236 24th ave  
1900 Alameda de Las Pulgas  
3943 Kingridge Dr  
21 Creekridge Ct  
4201 Bettina  
E 38th Ave & Curtiss  
N Idaho and Thomas Ct  
235 W 25th Ave.  
Hacienda @ 31st  
1850 South Norfolk

37.54150587	-122.3158198 San Mateo
37.53951677	-122.3038871 San Mateo
37.55339909	-122.2907546 San Mateo
37.53407294	-122.2943048 San Mateo
37.54863749	-122.3047946 San Mateo
37.54773396	-122.2864842 San Mateo
37.53690068	-122.2975602 San Mateo
37.53775136	-122.3082328 San Mateo
37.54768599	-122.3046647 San Mateo
37.55054153	-122.3050567 San Mateo
37.53437384	-122.2946824 San Mateo
37.54270907	-122.3036738 San Mateo
37.54461959	-122.3071583 San Mateo
37.56519014	-122.2965167 San Mateo
37.57325269	-122.3071083 San Mateo
37.535957	-122.305459 San Mateo
37.571595	-122.348041 San Mateo
37.52549072	-122.3021364 San Mateo
37.52535795	122.3080304 San Mateo
37.52648971	122.3103895 San Mateo
37.52648971	122.3103895 San Mateo
37.5288293	122.3105998 San Mateo
37.53941263	-122.3177362 San Mateo
37.52701682	122.2956081 San Mateo
37.55033118	122.3397986 San Mateo
37.54900637	122.2942005 San Mateo
37.5246226	122.2995086 San Mateo
37.54861471	122.3399667 San Mateo
37.52713495	-122.3247883 San Mateo
37.56375983	-122.2976844 San Mateo
37.52807556	-122.3260756 San Mateo
37.55965585	-122.3065677 San Mateo
37.54915765	122.3402436 San Mateo
37.567261	-122.298427 San Mateo
37.550488	122.339901 San Mateo
37.549158	122.340244 San Mateo
37.534408	-122.320323 San Mateo
37.527583	-122.295201 San Mateo
37.576308	-122.3300961 San Mateo
37.553632	-122.321639 San Mateo
37.53988478	-122.3153163 San Mateo
37.551358	122.313346 San Mateo
37.57000265	-122.3257094 San Mateo
37.525259	-122.306995 San Mateo
37.523796	122.333655 San Mateo
37.543762	-122.310708 San Mateo
37.54631588	122.3351068 San Mateo
37.52535795	-122.2875813 San Mateo
37.53052887	-122.3073295 San Mateo
37.52396812	122.3062898 San Mateo
37.536251	-122.290355 San Mateo
37.557	122.326 San Mateo
37.543203	-122.310567 San Mateo
37.535957	-122.305459 San Mateo
37.554283	-122.294655 San Mateo

[illegible]

manhole in creek bed

Clean out in backyard

manhole in backyard

Intersection of Glendora and Woodberry  
605 16th Ave

overflow M/H in front yard  
sanitary sewer overflow from MH#19D-06X(279-08) in backyard of 39 Oak Valley.  
intersection of 28th and Sunsett Terrace  
manhole overflowing into bubble-up basin, basin retains water, has no exit point  
manhole on Delaware overflowed approximately 75 gals  
manhole #324-21 at the intersection of Hobart and Nadina  
Intersection of Los Prados & Kimberly near multi-family residential along the Marina lagoon  
in sidewalk area of State highway  
wastewater coming out of cracks in the street  
Mainline runs along wooded hill near the Kingridge Creek.  
manhole in cul-de sac  
Manhole overflowing due to a plugged sewer main  
Mainline runs north/south along westerly side of Alameda de las Pulgas.  
Mainline runs along wooded hill several feet above creek that runs along the bottom of the canyon.  
Manhole behind townhouses.

sanitary manhole sewage spilled out of manhole #492-13 located in the middle of street  
Alley behind several businesses adjacent to 19th ave. channel





Manhole  
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Manhole  
Manhole  
Other sewer system structure  
Manhole  
Gravity sewer  
Manhole  
Other (specify)  
Manhole  
Manhole  
Manhole  
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Manhole  
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Other (specify)  
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Manhole  
Other sewer system structure  
Other (specify)  
Manhole  
Manhole  
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Manhole  
Gravity sewer  
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Manhole  
Manhole

MH# 471-21X

Lampost Cleanout

MH# 492-13X

MH# 113-07X

MH# 575-30X

clean-out

Clean out

Main plug, clean out on private lateral overflowed

MH# 350-17X

MH 159-03X

100 gal out of MH#580-28, flowed into storm drain that ran directly to Marina Lagoon  
MH#367-32

private cleanout over flowed onto the creek below the cleanout because of blockage in main.  
manhole #423-31

MH# 429-03X

MH# 365-13

MH# 553:22 in backyard of 3943 Kingridge Dr overflowed. Call came from adjacent backyard at 3908 Fernwood.

Break in pipe from root intrusion. Spill seeped out of ground about 25' away from manhole.  
Overflow out of terminal MH# 536:35 in street.

Speeping from manhole

Manhole # 429-08

MH# 492-13X

MH# 433-04X

Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Separate storm drain;Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Other (specify below)  
Street/curb and gutter  
Separate storm drain  
Surface water;Unpaved surface  
Surface water;Unpaved surface  
Surface water;Unpaved surface  
Storm drain  
Street/curb and gutter;Unpaved surface  
Other (specify below)  
Storm drain  
Storm drain  
Storm drain  
Unpaved surface  
Surface water;Unpaved surface  
Storm drain;Other (specify below)  
Storm drain;Surface water  
Separate storm drain;Street/curb and gutter  
Unpaved surface  
Separate storm drain;Street/curb and gutter  
Storm drain;Surface water  
Surface water;Unpaved surface  
Separate storm drain;Street/curb and gutter  
Other (specify below)  
Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Surface water  
Storm drain  
Other paved surface  
Surface water;Unpaved surface  
Unpaved surface  
Separate storm drain  
Storm drain;Street/curb and gutter  
Surface water  
Unpaved surface  
Storm drain  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Surface water

Bubble-Up

sanitary sewer

Drainage Channel

crystal spring creek  
crystal spring creek

bubble-up is a contained basin

Marina Lagoon

spill reached storm drain that drains into 19th ave channel and was not able to be captured

Creek  
large open space

Entire amount of spill was captured and returned to sanitary sewer system

entire spill captured and returned to the sanitary sewer  
Spill settled in curb and was completely contained and cleaned up.  
Spill only reached curb - no contact with storm system or surface water. A Category 2 spill.

1/25/2008 0:00	1/25/2008 14:25	1/25/2008 14:25	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 14:15	1/25/2008 14:15	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 12:30	1/25/2008 12:30	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 12:00	1/25/2008 12:00	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 11:30	1/25/2008 11:30	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 12:25	1/25/2008 12:25	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 12:15	1/25/2008 12:15	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 12:10	1/25/2008 12:20	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 11:50	1/25/2008 11:50	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 11:40	1/25/2008 11:40	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 12:00	1/25/2008 12:00	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 13:50	1/25/2008 13:50	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 14:00	1/25/2008 14:00	1/26/2008 4:00
1/25/2008 0:00	1/25/2008 18:00	1/25/2008 18:00	1/26/2008 4:00
1/26/2008 0:00	1/26/2008 11:15	1/26/2008 13:00	1/27/2008 12:00
2/25/2008 12:45	2/25/2008 12:50	2/25/2008 13:30	2/25/2008 14:00
2/28/2008 0:00	2/28/2008 9:00	2/28/2008 9:15	2/28/2008 9:30
3/3/2008 8:15	3/3/2008 8:15	3/3/2008 8:25	3/3/2008 8:35
3/22/2008 0:00	3/22/2008 17:50	3/22/2008 18:45	3/22/2008 20:00
3/24/2008 0:00	3/24/2008 8:51	3/24/2008 9:00	3/24/2008 9:25
3/24/2008 0:00	3/24/2008 9:25	3/24/2008 9:00	3/24/2008 11:27
3/26/2008 0:00	3/26/2008 9:00	3/26/2008 9:10	3/26/2008 12:00
5/1/2008 0:00	5/1/2008 19:03	5/1/2008 19:30	5/1/2008 19:50
5/13/2008 0:00	5/13/2008 9:35	5/13/2008 9:55	5/13/2008 10:10
5/30/2008 0:00	5/30/2008 12:00	5/30/2008 12:30	5/30/2008 12:50
6/20/2008 0:00	6/20/2008 8:25	6/20/2008 8:35	6/20/2008 8:45
6/20/2008 0:00	6/20/2008 13:08	6/20/2008 13:25	6/20/2008 13:45
7/2/2008 14:00	7/2/2008 14:00	7/2/2008 14:10	7/2/2008 15:20
7/14/2008 0:00	7/14/2008 19:15	7/14/2008 19:35	7/14/2008 20:00
7/14/2008 0:00	7/14/2008 14:25	7/14/2008 15:00	7/14/2008 15:15
7/16/2008 7:45	7/16/2008 7:45	7/16/2008 7:50	7/16/2008 8:15
8/6/2008 17:50	8/6/2008 17:50	8/6/2008 18:00	8/6/2008 18:10
8/10/2008 16:21	8/10/2008 16:21	8/10/2008 16:40	8/10/2008 17:05
8/10/2008 12:40	8/11/2008 12:40	8/11/2008 12:55	8/11/2008 14:00
8/21/2008 14:35	8/21/2008 14:35	8/21/2008 14:50	8/21/2008 15:05
8/21/2008 10:15	8/21/2008 10:15	8/21/2008 10:25	8/21/2008 10:45
8/25/2008 14:10	8/25/2008 14:15	8/25/2008 14:20	8/25/2008 14:45
8/28/2008 11:20	8/28/2008 11:21	8/28/2008 11:30	8/28/2008 11:40
9/3/2008 8:05	9/3/2008 8:10	9/3/2008 8:10	9/3/2008 8:20
9/8/2008 8:15	9/8/2008 8:15	9/8/2008 8:20	9/8/2008 8:30
9/22/2008 20:45	9/22/2008 20:45	9/22/2008 20:50	9/22/2008 21:20
9/23/2008 9:40	9/23/2008 9:45	9/23/2008 9:50	9/23/2008 10:00
10/10/2008 17:35	10/10/2008 17:35	10/10/2008 18:15	10/10/2008 18:55
10/12/2008 12:10	10/12/2008 12:15	10/12/2008 12:50	10/12/2008 13:20
10/17/2008 13:10	10/17/2008 13:10	10/17/2008 13:35	10/17/2008 14:05
10/26/2008 9:50	10/26/2008 9:50	10/26/2008 10:20	10/26/2008 10:40
11/19/2008 10:45	11/19/2008 10:45	11/19/2008 11:00	11/19/2008 11:20
11/29/2008 16:15	11/29/2008 16:20	11/29/2008 16:35	11/29/2008 17:05
12/5/2008 17:05	12/5/2008 17:05	12/5/2008 17:15	12/5/2008 18:00
12/9/2008 8:55	12/9/2008 9:00	12/9/2008 9:15	12/9/2008 9:50
12/15/2008 20:05	12/15/2008 20:05	12/15/2008 20:20	12/15/2008 20:35
12/16/2008 16:30	12/16/2008 17:30	12/16/2008 17:30	12/16/2008 17:45
12/20/2008 7:29	12/20/2008 7:29	12/20/2008 7:50	12/20/2008 7:55
12/22/2008 11:20	12/22/2008 11:20	12/22/2008 11:25	12/22/2008 11:40
12/29/2008 10:45	12/29/2008 10:45	12/29/2008 10:50	12/29/2008 11:03

Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design (Seperate CS Only)  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Grease deposition (FOG)  
Other (specify below)  
Root intrusion  
Root intrusion  
Root intrusion  
Pipe structural problem/failure  
Root intrusion  
Root intrusion  
Debris  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debris-General  
Root intrusion  
Grease deposition (FOG)  
Debris  
Root intrusion  
Debris-General  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debris-General  
Root intrusion  
Grease deposition (FOG)  
Other (specify below)  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Other (specify below)  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Grease deposition (FOG)

Unknown

Roots and debris from line cleaning earlier in the day caused blockage at manhole downstream.

CCTV found extensive debris. All debris removed and no structural problems found. Upstream mainline is plugged - car

operator is not sure what caused the stoppage - potentially rags  
Root intrusion from a lateral into the main.

Unknown Cause  
Plug Main due to heavy FOG

roots/fog

Main

Main  
Main  
Main

Main  
Main  
Main  
Main  
Main  
Main  
Other (specify below)  
Main  
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Main  
Main



Blockage in manhole at downstream pipe.

Blockage occurred between manholes 581:03 and 581:04

6 VCP

6  
6 clay  
6 VCP  
8 VCP

6 clay  
VCP  
6 Clay  
8 VCP  
6  
6 clay  
6

6 Clay

6 VCP

6 VCP  
6 vcp  
6 vcp  
6 clay  
6 vcp  
6 VCP  
6 clay  
8 vcp  
8 VCP  
6 VCP  
6 clay  
6 clay  
8 vcp  
6 VCP  
6 VCP  
6 VCP  
6 pvc  
6 VCP  
6 VCP  
6 vcp  
6 clay  
8 pvc

68

69

80

60

55

55

55

57

50

50

63

47

65

50

18

45

60

60

35

55

46

63

70

68

54



Boomed and bermed storm drain to collect solids.

Boomed trash rack to catch solids.

cleaned the solids

placed on root control program

Boom S/D, Cleared blockage, Disinfect & Clean Area

CCTV scheduled for 10-27-08

Jet & Flailed mainline. Removed roots. CCTV.

N/A

Emergency repair.

Washed to Vacuum.

set up containment units on curb area vac-cons

1/26/2008 4:00  
1/26/2008 4:00  
1/26/2008 4:00  
1/26/2008 4:00  
1/26/2008 4:00  
1/26/2008 4:00  
1/26/2008 4:00  
1/26/2008 4:00  
1/26/2008 4:00  
1/26/2008 4:00  
1/26/2008 10:00  
1/26/2008 4:00  
1/26/2008 4:00  
1/26/2008 4:00  
1/27/2008 13:20

3/3/2008 9:15  
3/22/2008 21:15  
3/24/2008 10:00  
3/24/2008 12:00  
3/26/2008 12:15

7/14/2008 20:00  
7/14/2008 15:15  
7/17/2008 7:30

8/21/2008 16:05  
8/22/2008 11:00

9/22/2008 21:25  
9/23/2008 10:30

10/12/2008 13:45  
10/17/2008 15:05  
10/26/2008 11:15

11/29/2008 17:35

12/16/2008 18:30

12/29/2008 11:30

Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
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Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer;Repaired sewer  
Adjusted schedule/method of preventive maintenance  
Adjusted schedule/method of preventive maintenance  
Repaired sewer  
Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance  
Adjusted schedule/method of preventive maintenance  
Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program  
Added sewer to preventive maintenance program;Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)  
Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Plan rehabilitati  
Other (specify below)  
Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program;Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source

place on root control program  
cctv main

Follow-up clean and CCTV on 9-23-08 and developing outreach to residents regarding FOG  
Notified Source Control to investigate neighboring restaurants for excessive grease deposits. Placed main on quarterly pr

Re-engineering of Kingridge mainline in preliminary design phase.  
public outreach to residents about fog

Kingridge mainline re-engineering & replacement CIP project currently under contract nearing end of design phase.

Pipe already scheduled on upcoming rehabilitation project.



No  
No  
No  
No  
No  
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No  
No

No  
No

No  
No  
Yes

Yes

No

No

N/A

No visable signs

No impact visible  
no visual impact  
N/A

N/A  
N/A  
no visual impact  
100 gallon spill needed to travel approximately 3/4 miles to enter 19th ave drainage channel  
N/A  
no visual impact

none

No visual impact  
N/A

N/A  
N/A  
N/A  
n/a  
No visual impact

Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
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Yes

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N/A  
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N/A

NA

NA

19 Avenue Channel  
East Laural Creek  
19th Avenue Channel  
East Laural Creek  
16th Avenue Channel  
East Laural Creek  
East Laural Creek  
19th Ave Channel  
19th Avenue Channel  
19th Avenue Channel  
East Laural Creek  
19th Avenue Channel  
16th Avenue Channel  
16th Avenue Channel  
San Mateo Creek

N/A  
Laurel Creek  
Laural Creek  
Laural Creek  
Laural Creek  
Laurel Creek

Laurel Creek  
16th Ave Drainage Channel  
Laurel Creek  
N/A

N/A  
crystal springs creek  
cyrstal springs creek  
N/A

N/A  
N/A  
Marina Lagoon  
19th ave drainage channel  
N/A  
Laurel Creek  
n/a  
19th Ave Channel

Kingridge Creek

na

19th avenue channel

No water quality samples taken  
No water quality samples taken  
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No water quality samples taken

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No water quality samples taken

No water quality samples taken

Not applicable to this spill

No water quality samples taken



No water quality samples taken  
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No water quality samples taken

No water quality samples taken  
No water quality samples taken

No water quality samples taken  
None of the above

No water quality samples taken  
No water quality samples taken  
No water quality samples taken

No water quality samples taken

Not applicable to this spill

None of the above







80759	1/26/2008 12:00
80758	1/26/2008 12:00
80757	1/26/2008 12:00
80756	1/26/2008 12:00
80755	1/26/2008 12:00
80754	1/26/2008 12:00
80753	1/26/2008 12:00
80752	1/26/2008 12:00
80751	1/26/2008 12:00
80750	1/26/2008 12:00
80748	1/26/2008 12:00
80746	1/26/2008 12:00
80744	1/26/2008 12:00
80761	1/26/2008 12:00
80817	1/28/2008 8:42

81778	3/3/2008 10:18
82256	3/22/2008 20:15
82276	3/24/2008 9:30
82279	3/24/2008 10:25
82297	3/26/2008 10:35

84378	6/20/2008 9:35
84393	6/20/2008 13:54
84881	7/2/2008 14:50
85169	7/14/2008 20:45
85160	7/14/2008 15:31
85205	7/16/2008 9:15
85716	8/6/2008 18:55
85796	8/10/2008 18:55
85821	8/11/2008 14:02
86114	8/21/2008 16:10
86102	8/21/2008 11:50
86194	8/25/2008 14:50
86278	8/28/2008 12:02
86440	9/3/2008 9:02
86539	9/8/2008 8:50
86892	9/22/2008 21:30
86907	9/23/2008 10:25
87345	10/10/2008 20:10
87367	10/12/2008 14:43
87511	10/17/2008 0:00
87718	10/26/2008 10:40
88314	11/19/2008 11:25
88548	11/29/2008 17:55
88713	12/5/2008 18:20
88776	12/9/2008 10:25
88933	12/15/2008 21:10
88960	12/16/2008 18:07
89038	12/20/2008 8:34
89084	12/22/2008 12:15
89211	12/29/2008 11:26



2SSO10183	Active	731435 Sarah Parrish	Certified
2SSO10183	Active	731542 Sarah Parrish	Certified
2SSO10183	Active	731546 Sarah Parrish	Certified
2SSO10183	Active	731547 Sarah Parrish	Certified
2SSO10183	Active	731589 Sarah Parrish	Certified
2SSO10183	Active	731699 Sarah Parrish	Certified
2SSO10183	Active	732465 Sarah Parrish	Certified
2SSO10183	Active	732838 Sarah Parrish	Certified
2SSO10183	Active	733046 Sarah Parrish	Certified
2SSO10183	Active	733490 Sarah Parrish	Certified
2SSO10183	Active	733553 Sarah Parrish	Certified
2SSO10183	Active	733555 Sarah Parrish	Certified
2SSO10183	Active	733557 Sarah Parrish	Certified
2SSO10183	Active	733561 Sarah Parrish	Certified
2SSO10183	Active	733563 Sarah Parrish	Certified
2SSO10183	Active	733852 Sarah Parrish	Certified
2SSO10183	Active	734520 Sarah Parrish	Certified
2SSO10183	Active	734748 Sarah Parrish	Certified
2SSO10183	Active	734840 Sarah Parrish	Certified
2SSO10183	Active	736287 Sarah Parrish	Certified
2SSO10183	Active	736429 Sarah Parrish	Certified
2SSO10183	Active	736632 Sarah Parrish	Certified
2SSO10183	Active	737190 Sarah Parrish	Certified
2SSO10183	Active	737598 Sarah Parrish	Certified
2SSO10183	Active	737683 Sarah Parrish	Certified
2SSO10183	Active	737688 Sarah Parrish	Certified
2SSO10183	Active	738456 Sarah Parrish	Certified
2SSO10183	Active	739558 Sarah Parrish	Certified
2SSO10183	Active	739832 Sarah Parrish	Certified
2SSO10183	Active	740386 Sarah Parrish	Certified
2SSO10183	Active	741744 Sarah Parrish	Certified
2SSO10183	Active	741811 Sarah Parrish	Certified
2SSO10183	Active	741980 Sarah Parrish	Certified
2SSO10183	Active	742686 Sarah Parrish	Certified
2SSO10183	Active	744316 Sarah Parrish	Certified
2SSO10183	Active	744551 Sarah Parrish	Certified
2SSO10183	Active	744898 Sarah Parrish	Certified
2SSO10183	Active	745580 Sarah Parrish	Certified
2SSO10183	Active	745606 Sarah Parrish	Certified
2SSO10183	Active	745612 Sarah Parrish	Certified
2SSO10183	Active	745616 Sarah Parrish	Certified
2SSO10183	Active	745624 Sarah Parrish	Certified
2SSO10183	Active	745904 Darla Reams	Certified
2SSO10183	Active	746090 Darla Reams	Certified
2SSO10183	Active	746363 Sarah Parrish	Certified
2SSO10183	Active	746714 Sarah Parrish	Certified
2SSO10183	Active	746812 Sarah Parrish	Certified
2SSO10183	Active	746902 Sarah Parrish	Certified
2SSO10183	Active	747146 Sarah Parrish	Certified
2SSO10183	Active	747796 Sarah Parrish	Certified
2SSO10183	Active	747878 Sarah Parrish	Certified
2SSO10183	Active	747947 Sarah Parrish	Certified
2SSO10183	Active	748035 Sarah Parrish	Certified
2SSO10183	Active	748263 Sarah Parrish	Certified
2SSO10183	Active	748385 Sarah Parrish	Certified

Sr Proejct Manager  
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Deputy Director of Public Works  
Deputy Director of Public Works  
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Sr. Project Manager

City of San Mateo 4:44pm	860869
8:15am	247808
3:35pm	179559
3:45pm	465629
2:05pm	650512
8:30am	836477
12:15pm	607878
City of San Mateo 6:11pm	434580
City of San Mateo 3:47pm	790235
City of San Mateo 4:37pm	936343
City of San Mateo 10:52am	217368
City of San Mateo 10am	570167
City of San Mateo 2:30pm	408586
City of San Mateo 2:15pm	927488
City of San Mateo 1:07pm	559301
City of San Mateo 10:30am	444210
City of San Mateo 1:15pm	312335
City of San Mateo 1:14pm	678637
City of San Mateo 4:02pm	160473
City of San Mateo 2:53pm	350178
City of San Mateo 3:04pm	748665
City of San Mateo 11:40am	897887
City of San Mateo 12:00pm	413514
City of San Mateo 1:13pm	608853
City of San Mateo 12:30pm	659201
City of San Mateo 10:37am	960437
City of San Mateo 11:41am	622630
City of San Mateo 11:11am	223615
City of San Mateo 9:40am	447064
City of San Mateo 12:26pm	678470
City of San Mateo 3:10pm	117624
City of San Mateo 1:51pm	796262
City of San Mateo 3:45pm	494049
City of San Mateo 4:55pm	320692
City of San Mateo 5:11pm	816783
City of San Mateo 5:54pm	884282
City of San Mateo 12:55pm	441907
City of San Mateo 9:55 am	806224
San Mateo 10:00am	310540
City of San Mateo 10:07am	364385
City of San Mateo 3:22pm	216741
City of San Mateo 3:27pm	184063
San Mateo	879214
San Mateo	758183
City of San Mateo 1:50pm	519115
City of San Mateo 3:17pm	383835
City of San Mateo 4:36pm	169236
City of San Mateo 4:10pm	425035
City of San Mateo 9:20am	484566
City of San Mateo 9:25am	895151
City of San Mateo 10:20am	586215
City of San Mateo 9:41am	697881
City of San Mateo 10:12am	704765
City of San Mateo 9:38am	979262
City of San Mateo 8:45am	200559

5-Jan-09	6-Jan-09	12/8/2010
7-Jan-09	8-Jan-09	1/8/2009
7-Jan-09	7-Jan-09	1/7/2009
7-Jan-09	7-Jan-09	1/7/2009
8-Jan-09	8-Jan-09	1/8/2009
11-Jan-09	23-Jan-09	1/23/2009
24-Jan-09	24-Jan-09	1/24/2009
30-Jan-09	30-Jan-09	12/8/2010
4-Feb-09	4-Feb-09	2/4/2009
12-Feb-09	13-Feb-09	12/8/2010
15-Feb-09	15-Feb-09	12/9/2010
15-Feb-09	15-Feb-09	2/16/2009
15-Feb-09	10-Mar-09	3/10/2009
16-Feb-09	10-Mar-09	3/10/2009
16-Feb-09	16-Feb-09	2/16/2009
18-Feb-09	19-Feb-09	2/19/2009
3-Mar-09	3-Mar-09	3/3/2009
9-Mar-09	10-Mar-09	2/2/2011
11-Mar-09	11-Mar-09	12/3/2010
13-Apr-09	13-Apr-09	4/13/2009
16-Apr-09	17-Apr-09	12/7/2010
22-Apr-09	29-Apr-09	4/29/2009
6-May-09	15-May-09	5/15/2009
19-May-09	23-May-09	5/23/2009
20-May-09	23-May-09	5/23/2009
20-May-09	22-May-09	5/22/2009
3-Jun-09	4-Jun-09	12/9/2010
18-Jun-09	18-Jun-09	6/18/2009
23-Jun-09	26-Jun-09	6/26/2009
30-Jun-09	30-Jun-09	6/30/2009
23-Jul-09	23-Jul-09	7/23/2009
24-Jul-09	28-Jul-09	7/28/2009
28-Jul-09	28-Jul-09	7/28/2009
10-Aug-09	11-Aug-09	8/11/2009
7-Sep-09	7-Sep-09	12/8/2010
11-Sep-09	16-Sep-09	12/8/2010
21-Sep-09	22-Sep-09	9/22/2009
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14-Oct-09	15-Oct-09	10/15/2009
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14-Oct-09	15-Oct-09	12/3/2010
21-Oct-09	26-Oct-09	10/26/2009
26-Oct-09	27-Oct-09	10/27/2009
29-Oct-09	19-Nov-09	11/19/2009
12-Nov-09	14-Nov-09	11/14/2009
17-Nov-09	21-Nov-09	11/21/2009
20-Nov-09	20-Nov-09	11/20/2009
28-Nov-09	4-Dec-09	12/4/2009
22-Dec-09	24-Dec-09	12/24/2009
26-Dec-09	29-Dec-09	12/29/2009
29-Dec-09	30-Dec-09	12/30/2009
30-Dec-09	31-Dec-09	12/31/2009
11-Jan-10	12-Jan-10	1/12/2010
15-Jan-10	16-Jan-10	1/16/2010



Category 3	25	25
Category 3	50	50
Category 3	75	75
Category 3	30	0
Category 3	50	50
Category 3	30	25
Category 1	500	100
Category 1	134	0
Category 3	20	20
Category 1	1200	0
Category 1	1250	0
Category 1	50	0
Category 1	12000	0
Category 1	800	0
Category 1	225	0
Category 1	250	25
Category 1	250	0
Category 3	165	165
Category 1	120	20
Category 2	2475	2475
Category 1	12375	9000
Category 3	300	300
Category 3	10	10
Category 3	15	15
Category 3	325	0
Category 3	85	0
Category 1	86	86
Category 3	175	175
Category 3	100	100
Category 3	22	22
Category 3	405	405
Category 3	300	300
Category 1	50	15
Category 3	30	30
Category 1	875	400
Category 3	700	700
Category 3	350	350
Category 1	900	0
Category 1	2100	0
Category 1	52500	0
Category 1	16500	0
Category 1	15000	0
Category 3	30	30
Category 1	45	0
Category 3	100	100
Category 3	50	25
Category 3	3	3
Category 3	20	20
Category 3	100	100
Category 3	25	25
Category 3	285	0
Category 3	150	150
Category 3	75	50
Category 3	20	20
Category 3	600	250

0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	Yes
0 No	No
400 Yes	Yes
134 Yes	Yes
0 No	No
1200 Yes	Yes
1250 Yes	Yes
50 Yes	Yes
12000 Yes	Yes
800 Yes	Yes
225 Yes	Yes
250 Yes	Yes
250 Yes	Yes
0 No	No
100 Yes	Yes
0 No	Yes
3375 Yes	Yes
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
86 Yes	No
0 No	Yes
0 No	Yes
0 No	No
0 No	Yes
0 No	No
35 Yes	Yes
0 No	Yes
475 Yes	Yes
0 No	Yes
0 No	Yes
900 Yes	No
2100 Yes	No
52500 Yes	Yes
16500 Yes	Yes
15000 Yes	Yes
0 No	No
45 Yes	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	Yes

Yes  
Yes  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Yes  
Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach a separate storm drainpipe  
No  
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Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
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Yes  
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Not Applicable - Spill did not reach storm drainpipe  
Yes

1641 Bordon st  
Mission & Carmel Ct.  
229 West 39th Ave  
9 Rockwood Ct  
Baldwin & San Mateo Dr  
412 Parrott Dr  
1110 Yew Street  
3701 East Laurel Creek  
271 La Casa  
Murphy Easement  
31st/Delmonte  
3515 Micheal Dr  
El Camino Real from Hillsdale to 36thave  
631 Edinburgh  
1612 Shoreview Ave  
1359 Adrian  
631 Edinburgh  
128 N Humboldt St  
527 Madera  
14 Murphy Place  
12 Murphy Place  
11 Murphy Place  
1566 Roberta Dr  
740 Dalehurst  
314 37th Ave  
527 Madera  
Dalehurst Creek  
911 S Idaho St  
Blossom Circle  
527 Madera  
221 N El Camino Real  
400 N Idaho St  
2111 Shoreview  
3820 Donner  
3909 Fernwood  
3909 Fernwood Dr  
26th & Dolores  
3927 Kingridge  
3927 Kingridge Dr.  
3721 S El Camino Real  
Delaware and Saratoga  
South Norfolk Street  
66 Oakvallrd  
72 Oak Valley Rd.  
448 Studio Circle  
234 42nd Ave  
2436 Holland Street  
951 Mariners Island  
651 N El Camino Real  
3943 Kingridge  
400 42nd Ave  
Hickory/Edison  
332 42nd Ave  
791 Crystal Springs  
300 24th Ave

37.562	-122.3149 San Mateo
37.559718	122.32505 San Mateo
37.529	122.31 San Mateo
37.531	122.29 San Mateo
37.566	122.306 San Mateo
37.5564	122.29 San Mateo
37.547	122.3301 San Mateo
37.527992	-122.312358 San Mateo
37.5255	122.279 San Mateo
37.539823	-122.330734 San Mateo
37.532268	-122.315407 San Mateo
37.532	122.2904 San Mateo
37.5369	122.2882 San Mateo
37.5565	122.3209 San Mateo
37.5728	122.306 San Mateo
37.5501	122.3323 San Mateo
37.5575	122.3377 San Mateo
37.574233	-122.321297 San Mateo
37.543602	-122.320413 San Mateo
37.541	-122.33 San Mateo
37.54181	-122.33 San Mateo
37.541	-122.334 San Mateo
37.559	-122.2948 San Mateo
37.524	-122.28 San Mateo
37.5305	-122.313 San Mateo
37.5436	-122.304 San Mateo
37.526819	-122.312643 San Mateo
37.566002	-122.33479 San Mateo
37.5313	-122.312 San Mateo
37.54360221	-122.3040483 San Mateo
37.568262	-122.3324 San Mateo
37.57781	-122.36662 San Mateo
37.56795	-122.298449 San Mateo
37.53136	-122.31084 San Mateo
37.5259	-122.295 San Mateo
37.52594091	-122.2950865 San Mateo
37.5391	-122.3178 San Mateo
37.525278	-122.287938 San Mateo
37.525278	-122.287938 San Mateo
37.53437	-122.305989 San Mateo
37.548637	-122.329238 San Mateo
37.55274	-122.3000424 San Mateo
37.550331	-122.300145 San Mateo
37.550331	-122.30014 San Mateo
37.57881384	-122.318584 San Mateo
37.527471	-122.29741 San Mateo
37.54921	-122.33437 San Mateo
37.56171849	-122.3051135 San Mateo
37.57186912	-122.3223413 San Mateo
37.52537595	-122.287 San Mateo
37.52595751	-122.3231414 San Mateo
37.53638	-122.32248 San Mateo
37.52656	-122.29469 San Mateo
37.55294	-122.30632 San Mateo
37.54376177	-122.316719 San Mateo

[illegible]

Overflow at sanitary sewer manhole  
sewage flowed out of unpaved surface - back yard  
MH # 468-45 in Side Yard  
Intersection of San Mateo Dr & Baldwin Ave.  
MH#281-09 in rear yard of 412 Parrott overflowed. Call came in from 411 Fairfax Ave. (adjacent yard).  
Overflow from manhole 322:38 to stormdrain over Yew st. creek

Spill out of a proper cleanout front yard lateral. Blockage found in mainline 575-45\_576-38.  
Mainline runs along open space parallel to Hwy 92  
2 manholes ~55' apart in the intersection of 31st & Del Monte (490-24 & 490-23) both overflowing.  
Plugged main (b/w manholes 513-25 & 513-24) caused lateral to overflow

Water coming out of c/o at apartment building because of a plug in the mainline  
Overflowing M/H due to roots in main line.

Manhole overflow due to root blockage  
Overflow from private lateral cleanout in a backyard that abuts Hwy 92.

spill from private clean out onto driveway and unpaved surface - caused by blockage in mainline

Overflowing M/H

Spill from a private manhole - blockage found in the mainline.

MH# 199-19

Middle of street located at M/H3 351:02

Spill from manhole in easement on steep hill adjacent to creek.  
Spill from manhole in easement on steep hill adjacent to creek.  
Spill from manhole on state route during heavy rain.  
overflowing manhole  
manhole over spilled  
M/N seeping water due to plugged main, crews found while doing routine maint.  
overflowing manhole spilled into the storm drain

c/o in back yard  
manhole overflow due to plugged main.

Overflowing manhole in dirt area (easement), due to plugged main  
overflowing M/H #259:02 due to plugged main  
Blockage in mainline between MH's 429-03 and 429-02 caused sewage to spill from 3 private lateral cleanouts. Sewage :

affected properties 236, 244, 250, 300 &



Manhole  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Other (specify)  
Manhole  
Manhole  
Other (specify)  
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Manhole  
Manhole  
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Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
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Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer  
Manhole  
Other (specify)  
Manhole  
Force main or pressure sewer  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other (specify)

Terminal Manhole #392-45 in sidewalk overflowed into catchbasin. Contained in storm drain and cleaned.

seeped out of ground above pipe in backyard

MH# 242-03

MH# 532-09X

Proper Y cleanout on front yard sewer lateral

MH # 363-09

2 manholes ~55' apart in the intersection of 31st & Delmonte (490-24 & 490-23) both overflowing.  
out of c/o at 3515 Michael

6 adjacent manholes overflowing from same mainline

MH# 266-23

Lateral Cleanout

MH# 407-01

MH#363-04

MH# 363-04X

Private lateral cleanout

Water seeping from MH#413-29 on sidewalk

MH# 552-13 in ROW

private lateral clean out

MH# 407-01 overflowed - ran along curb/gutter, crossed to north side of street and ended up in open land/unpaved surface

MH# 532-13X

Overflowing M/H # 307-03. Terminal MH.

MH# 407-01 near entrance to PGCC

MH# 181-01

Proper cleanout on private lateral - main plugged

MH# 533:33

MH# 553:33

MH's 428:31 & 428:30

MH# 137:12

Clean out on private lateral

MH# 475:28

Pressure Relief Valve on Forcemain

Private Manhole - Main determined to be private.

MH# 553:12 This manhole has a smartcover alarm. Alarm notified crews of high water in MH.

MH# 575-10

MH# 493:13

MH # 554-33.

3 Private Cleanouts

Separate storm drain  
Storm drain;Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Other paved surface;Storm drain  
Unpaved surface  
Surface water  
Separate storm drain;Surface water  
Street/curb and gutter  
Separate storm drain;Unpaved surface  
Separate storm drain;Surface water  
Storm drain  
Storm drain  
Storm drain  
Storm drain  
Storm drain  
Storm drain  
Other paved surface  
Separate storm drain;Street/curb and gutter  
Storm drain  
Separate storm drain  
Storm drain;Street/curb and gutter;Unpaved surface  
Storm drain  
Street/curb and gutter  
Other paved surface;Unpaved surface  
Unpaved surface  
Surface water  
Storm drain;Street/curb and gutter  
Storm drain;Street/curb and gutter  
Street/curb and gutter  
Storm drain;Street/curb and gutter  
Street/curb and gutter  
Storm drain  
Storm drain  
Separate storm drain;Street/curb and gutter;Unpaved surface  
Separate storm drain;Unpaved surface  
Storm drain  
Surface water  
Beach;Surface water  
Beach;Surface water  
Separate storm drain  
Separate storm drain  
Street/curb and gutter  
Storm drain  
Storm drain  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter;Unpaved surface  
Unpaved surface  
Unpaved surface  
Storm drain  
Unpaved surface  
Street/curb and gutter  
Storm drain;Street/curb and gutter;Unpaved surface

Small portion (<10gal) reached bubble-up storm drain. All recovered and storm drain cleaned.

Large open space on hill. Bottom of hill has concrete v-ditch that runs to a storm drain that runs to 19th Ave Channel  
Storm drain with pipe - runs to Laurel Creek  
Storm drain flows directly to East Laurel Creek

San Mateo Creek

Storm drain plugged downstream. All recovered and returned to sanitary system.

Private property - yard and driveway

Spill pooled in creek water which was not flowing because trashrack was blocked with leaves and debris. All spill was vac  
Spill flowed down curb into a catchbasin where it was contained. CB cleaned.

Trickle of spill entered storm drain. Crews plugged drain and captured and cleaned all of spill.

Storm Drain flowed to 16th Ave channel

Spill flowed from MH down gutter and entered a storm drain catchbasin that flows directly to creekbed - creek mostly dry  
Spill entered storm drain pipe with outlet on side of hill. Spill soaked into ground a few feet from outlet - never made it to

Spill entered E Laurel Creek

Spill entered E Laurel creek

spill flowed into a storm drain and then into 19th ave Channel  
manhole spilled over and flowed to catch basin

Spill flowed down hillside and soaked into ground.  
Bubble up storm drain

1/5/2009 10:00	1/5/2009 10:00	1/5/2009 10:05	1/5/2009 10:25
1/7/2009 10:45	1/7/2009 10:45	1/7/2009 11:00	1/7/2009 11:05
1/7/2009 11:30	1/7/2009 11:30	1/7/2009 11:35	1/7/2009 11:45
1/7/2009 10:20	1/7/2009 10:20	1/7/2009 10:30	1/7/2009 11:00
1/8/2009 9:55	1/8/2009 9:55	1/8/2009 9:55	1/8/2009 10:05
1/11/2009 9:20	1/11/2009 9:20	1/11/2009 9:30	1/11/2009 9:50
1/24/2009 10:00	1/24/2009 10:00	1/24/2009 10:30	1/24/2009 10:50
1/30/2009 11:36	1/30/2009 11:36	1/30/2009 13:10	1/30/2009 13:50
2/4/2009 10:20	2/4/2009 10:20	2/4/2009 10:40	2/4/2009 10:45
2/12/2009 9:35	2/12/2009 9:43	2/12/2009 10:00	2/12/2009 10:35
2/15/2009 10:55	2/15/2009 10:55	2/15/2009 11:05	2/15/2009 11:20
2/15/2009 12:45	2/15/2009 12:45	2/15/2009 12:50	2/15/2009 13:10
2/15/2009 0:00	2/15/2009 19:45	2/15/2009 20:00	2/15/2009 23:30
2/16/2009 0:00	2/16/2009 7:39	2/16/2009 7:52	2/16/2009 0:00
2/16/2009 0:00	2/16/2009 11:00	2/16/2009 11:05	2/16/2009 11:50
2/18/2009 13:00	2/18/2009 13:00	2/18/2009 13:10	2/18/2009 13:55
3/3/2009 9:50	3/3/2009 9:50	3/3/2009 10:20	3/3/2009 10:40
3/9/2009 19:10	3/9/2009 19:10	3/9/2009 19:30	3/9/2009 20:05
3/11/2009 10:40	3/11/2009 10:40	3/11/2009 10:50	3/11/2009 10:52
4/13/2009 10:25	4/13/2009 10:25	4/13/2009 10:30	4/13/2009 1:15
4/16/2009 12:05	4/16/2009 12:05	4/16/2009 12:15	4/16/2009 13:00
4/22/2009 12:45	4/22/2009 12:45	4/22/2009 13:00	4/22/2009 13:15
5/6/2009 13:15	5/6/2009 13:15	5/6/2009 13:25	5/6/2009 13:45
5/19/2009 10:50	5/19/2009 10:50	5/19/2009 11:00	5/19/2009 11:05
5/20/2009 9:25	5/20/2009 10:17	5/20/2009 10:17	5/20/2009 10:30
5/20/2009 11:45	5/20/2009 11:45	5/20/2009 11:47	5/20/2009 12:02
6/3/2009 9:12	6/3/2009 9:12	6/3/2009 9:25	6/3/2009 9:55
6/18/2009 8:40	6/18/2009 8:40	6/18/2009 9:00	6/18/2009 9:15
6/23/2009 13:40	6/23/2009 13:40	6/23/2009 13:50	6/23/2009 14:00
6/30/2009 10:49	6/30/2009 10:49	6/30/2009 10:55	6/30/2009 11:00
7/23/2009 9:35	7/23/2009 9:35	7/23/2009 9:40	7/23/2009 10:20
7/24/2009 5:20	7/24/2009 5:20	7/24/2009 5:50	7/24/2009 6:20
7/28/2009 14:10	7/28/2009 14:10	7/28/2009 14:15	7/28/2009 14:35
8/10/2009 8:10	8/10/2009 8:10	8/10/2009 8:20	8/10/2009 8:35
9/7/2009 10:15	9/7/2009 10:15	9/7/2009 10:30	9/7/2009 10:50
9/11/2009 8:10	9/11/2009 8:10	9/11/2009 8:15	9/11/2009 8:45
9/21/2009 11:05	9/21/2009 11:05	9/21/2009 11:10	9/21/2009 11:15
10/13/2009 0:00	10/13/2009 9:00	10/13/2009 10:30	10/13/2009 12:00
10/13/2009 0:00	10/13/2009 17:00	10/13/2009 20:15	10/13/2009 20:30
10/13/2009 0:00	10/13/2009 11:00	10/13/2009 11:10	10/13/2009 18:00
10/13/2009 0:00	10/13/2009 12:00	10/13/2009 12:00	10/13/2009 17:30
10/13/2009 0:00	10/13/2009 14:45	10/13/2009 14:45	10/13/2009 21:00
10/21/2009 10:45	10/21/2009 10:45	10/21/2009 10:45	10/21/2009 11:00
10/26/2009 10:15	10/26/2009 10:15	10/26/2009 10:15	10/26/2009 10:30
10/29/2009 12:00	10/29/2009 12:00	10/29/2009 12:05	10/29/2009 12:20
10/2/2009 17:27	10/2/2009 17:27	10/2/2009 18:50	10/3/2009 18:30
11/17/2009 11:50	11/17/2009 11:50	11/17/2009 11:55	11/17/2009 12:05
11/20/2009 9:45	11/20/2009 9:45	11/20/2009 10:00	11/20/2009 10:25
11/28/2009 12:45	11/28/2009 12:45	11/28/2009 13:40	11/28/2009 14:15
12/22/2009 3:45	12/22/2009 4:25	12/22/2009 4:25	12/22/2009 4:45
12/25/2009 15:40	12/25/2009 15:40	12/25/2009 16:00	12/25/2009 17:15
12/29/2009 11:37	12/29/2009 11:37	12/29/2009 11:48	12/29/2009 11:52
12/30/2009 15:40	12/30/2009 15:40	12/30/2009 15:40	12/30/2009 15:55
1/11/2010 8:25	1/11/2010 8:25	1/11/2010 8:35	1/11/2010 8:45
1/15/2010 4:20	1/15/2010 4:20	1/15/2010 4:30	1/15/2010 4:50

Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Rainfall exceeded design  
Rainfall exceeded design  
Flow exceeded capacity  
Root intrusion  
Other (specify below)  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Root intrusion  
Debris-General  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Other (specify below)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Other (specify below)  
Grease deposition (FOG)  
Debris-General  
Other (specify below)  
Grease deposition (FOG)  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Other (specify below)  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Root intrusion

CCTV found offset joint in main. Possible that root-foam 6 weeks prior may have broken down roots that built up at offset

Root blockage caused spill out of manhole - 900 gal. As crews were removing blockage, pipe broke and additional 300 gal

Roots found in downstream mainline, however, this location is a repeat offender of spills during storm events

Mainline plugged

PVC Repair at manhole has created a lip that catches material (paper). Smartcover on this manhole sent alarm at 10:49

UNK

Jet punched thru blockage quickly and flow raced downstream (steep pipe). Later discovered an old jet nozzle inside pipe  
mechanical cleaning tool/debris found in pipe causing blockage and backups

roots in the main line

Force main pressure relief valve leak

Main  
Main

Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main

[illegible]



Inside manhole at exiting pipe

B/W 329:27 & 351:01

Force main pressure relief valve leak  
Private Mainline

6 VCP  
6 clay  
6 clay  
6 clay  
6 clay  
6 clay  
6 clay  
6 VCP  
6 VCP  
8 VCP  
6 vcp  
6 vcp  
10 vcp  
6 VCP  
6 VCP  
6 clay  
6 VCP  
8 vcp  
6 vcp  
10 clay  
10 vcp  
8 VCP  
6 VCP  
6 vcp  
6 VCP  
6 plastic  
6 VCP  
6 VCP  
6 clay  
6 pvc  
6 clay  
6 clay  
6 VCP  
8 clay  
6 VCP  
6 clay  
6 VCP  
6 vcp  
6 vcp  
12 vcp  
24 rcp  
24 vcp  
6 vcp  
6 vcp  
6 VCP  
6 VCP  
6 VCP  
10 acp  
6 VCP  
6 clay  
6 VCP  
6 VCP  
6 VCP  
6 vcp  
8 VCP

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71



Manhole overflowing due to heavy rain.  
Mitigate impacts with booms until storm ends

Powerrod mainlines downstream

Modified settings on SmartCover Alarm system to allow more time for crews to arrive before manhole overflows. Will gr

Mechanical cleaning nozzle removed from pipe. Sewer main cleaned & CCTV, Storm drain cleaned and disinfected. Cr

Temporarily plugged valve - will return to repair/replace valve.

History of problems with this line being documented in a letter to send to owner of condo complex. Will work with property  
Crews shovelled impacted dirt. Cleaned and disinfected. CCTV revealed roots. This line is currently under engineering

1/24/2009 11:30  
1/30/2009 13:50

2/13/2009 12:00  
2/15/2009 12:00  
2/15/2009 13:30  
2/15/2009 22:55  
2/16/2009 0:00  
2/16/2009 11:50  
2/18/2009 13:55  
3/3/2009 13:00

3/11/2009 11:30  
4/13/2009 2:30  
4/16/2009 15:00

6/3/2009 10:30

7/28/2009 14:50

9/7/2009 12:50  
9/11/2009 14:30

10/13/2009 12:00  
10/13/2009 20:30  
10/13/2009 18:00  
10/13/2009 17:30  
10/13/2009 21:45

10/26/2009 10:30

1/15/2010 20:00

Enforcement action against FOG source  
Adjusted schedule/method of preventive maintenance

Repaired sewer  
Adjusted schedule/method of preventive maintenance  
Adjusted schedule/method of preventive maintenance;Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Added sewer to preventive maintenance program  
Other (specify below)

Added sewer to preventive maintenance program;Repaired sewer  
Adjusted schedule/method of preventive maintenance  
Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance

Other (specify below)

Other (specify below)  
Other (specify below)

Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Other (specify below)  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program

Plan rehabilitation or replacement of sewer

tv line to locate blockage and recommend follow-up root control

Refer to engineering

Refer to engineering

This area under evaluation as part of overall city SSMP capacity assurance program.

Area included in root control program. Requested investigation from consultant assisting with flow modeling/sewer capac

Handrod and PowerRod roots to clear blockage. Pumped spill back into manhole.

Will follow-up with CCTV

Removed old jet nozzle from pipe.

Will monitor line - but with nozzle removed, anticipate fewer problems.

CCTV to evaluate pipe integrity.



No  
No

No  
No  
No  
Yes  
Yes  
No  
No  
Yes

No  
Yes  
No

No

Yes

Yes  
No

No  
No  
No  
No  
No

Yes

No

N/A

N/A

No impact

N/A

N/A

N/A

n/a

N/A

No visual impacts  
NA

No ivsual indicators  
No visual indicators  
No visual impact

N/A

N/A

NA

Yes  
No

Yes  
No  
No  
Yes  
Yes  
Yes  
Yes  
Yes

No  
No  
No

No

No

No  
Yes

No  
Yes  
Yes  
Yes  
Yes

No

No

N/A

N/A

n/a

N/A

n/a

n/a

Marina Lagoon

N/A

n/a

n/a

n/a

N/A

n/a

n/a

NA

N/A

N/A

NA

NA

Lakeshore Beach

E Laurel Creek, Lakeshore Beach

San Mateo Lagoon

Park Side Aquatic

Marina Lagoon

NA

NA

N/A

Yew St. Creek  
East Laurel Creek

19th Ave Channel  
Laurel Creek  
Laural creek  
Marina Lagoon  
19th Ave Channel  
San Mateo Creek  
19 th Ave Channel  
19th Ave Channel  
N/A  
19th Ave Channel  
n/a  
19th Ave Channel

Dalehurst Creek

16th Ave Channel

Kingridge creek, creek is dry this time year  
NA

E Laurel Creek, Lakeshore beach,  
Lakeshore Beach  
Otay Creek, San Mateo Lagoon  
19th Ave Channel  
19th Ave channel

San Mateo creek

NA

No water quality samples taken  
No water quality samples taken

No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
Other (specify below)  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken

No water quality samples taken  
No water quality samples taken  
No water quality samples taken

No water quality samples taken

Biological indicator(s) - specify below

Biological indicator(s) - specify below  
Not applicable to this spill

Biological indicator(s) - specify below  
Biological indicator(s) - specify below  
Biological indicator(s) - specify below  
Biological indicator(s) - specify below  
Biological indicator(s) - specify below

Biological indicator(s) - specify below

San Mateo county health will take water samples

Total and fecal coliform & Enterococcus

Total and Fecal Coliform and Enterococcus

Choliforms

Choliforms

Choliforms

Total & Fecal Coliform & Enterococcus

Total & Fecal Coliform & Enterococcus

cloriform

No water quality samples taken  
No water quality samples taken

No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
County Health Agency  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
None of the above

None of the above  
No water quality samples taken  
No water quality samples taken

No water quality samples taken

County Health Agency

County Health Agency  
Not applicable to this spill

County Health Agency;Regional Water Quality Control Board  
County Health Agency;Regional Water Quality Control Board  
County Health Agency  
County Health Agency  
County Health Agency;Regional Water Quality Control Board

County Health Agency



Samples delivered to San Mateo WWTP Laboratory

Sample results will be submitted to County Health agency once results back from lab.



90066	1/5/2009 10:45
9125	1/7/2009 11:28
90127	1/7/2009 12:21
90126	1/7/2009 11:56
90153	1/8/2009 10:30
90220	1/11/2009 10:21
90732	1/24/2009 11:34
90911	1/30/2009 14:01
91021	2/4/2009 11:05
91209	2/12/2009 11:21
91288	2/15/2009 11:45
91293	2/15/2009 13:20
91298	2/15/2009 0:00
91309	2/16/2009 8:23
91324	2/16/2009 11:56
91411	2/18/2009 14:30
91820	3/3/2009 3:03
92140	3/9/2009 20:10
92183	3/11/2009 11:25
92949	4/13/2009 11:25
93017	4/16/2009 14:00
93164	4/22/2009 13:26
93490	5/6/2009 13:53
93780	5/19/2009 11:27
93807	5/20/2009 11:16
93810	5/20/2009 12:08
94100	6/3/2009 10:12
94445	6/18/2009 9:40
94553	6/23/2009 14:27
94698	6/30/2009 11:18
95188	7/23/2009 10:21
95219	7/24/2009 18:25
95296	7/28/2009 14:52
95555	8/10/2009 9:14
96173	9/7/2009 11:45
96243	9/11/2009 8:57
96441	9/21/2009 11:30
96895	10/13/2009 13:30
96930	10/13/2009 19:30
96896	10/13/2009 13:30
96894	10/13/2009 13:30
96921	10/13/2009 18:21
97119	10/21/2009 11:20
97214	10/26/2009 11:03
97299	10/29/2009 13:45
97601	11/12/2009 11:30
97752	11/17/2009 12:30
97830	11/20/2009 11:00
97967	11/28/2009 14:20
98526	12/22/2009 4:50
98566	12/25/2009 17:38
98614	12/29/2009 12:30
98644	12/30/2009 17:10
100196	1/11/2010 9:30
100320	1/15/2010 6:20



2SSO10183	Active	748407 Sarah Parrish	Certified
2SSO10183	Active	748408 Sarah Parrish	Certified
2SSO10183	Active	748464 Sarah Parrish	Certified
2SSO10183	Active	748465 Sarah Parrish	Certified
2SSO10183	Active	748469 Sarah Parrish	Certified
2SSO10183	Active	748675 Sarah Parrish	Certified
2SSO10183	Active	748865 Sarah Parrish	Certified
2SSO10183	Active	749148 Sarah Parrish	Certified
2SSO10183	Active	749153 Sarah Parrish	Certified
2SSO10183	Active	749155 Sarah Parrish	Certified
2SSO10183	Active	749170 Sarah Parrish	Certified
2SSO10183	Active	749553 Sarah Parrish	Certified
2SSO10183	Active	750330 Sarah Parrish	Certified
2SSO10183	Active	750467 Sarah Parrish	Certified
2SSO10183	Active	750482 Sarah Parrish	Certified
2SSO10183	Active	750586 Sarah Parrish	Certified
2SSO10183	Active	750633 Sarah Parrish	Certified
2SSO10183	Active	751002 Sarah Parrish	Certified
2SSO10183	Active	751007 Sarah Parrish	Certified
2SSO10183	Active	751053 Sarah Parrish	Certified
2SSO10183	Active	751102 Sarah Parrish	Certified
2SSO10183	Active	751250 Sarah Parrish	Certified
2SSO10183	Active	751477 Sarah Parrish	Certified
2SSO10183	Active	751664 Sarah Parrish	Certified
2SSO10183	Active	751814 Sarah Parrish	Certified
2SSO10183	Active	751983 Gerri Mattocks	Certified
2SSO10183	Active	752036 Sarah Parrish	Certified
2SSO10183	Active	752098 Sarah Parrish	Certified
2SSO10183	Active	752427 Sarah Parrish	Certified
2SSO10183	Active	752471 Sarah Parrish	Certified
2SSO10183	Active	752715 Sarah Parrish	Certified
2SSO10183	Active	753081 Sarah Parrish	Certified
2SSO10183	Active	753470 Sarah Parrish	Certified
2SSO10183	Active	753634 Sarah Parrish	Certified
2SSO10183	Active	754357 Sarah Parrish	Certified
2SSO10183	Active	755415 Sarah Parrish	Certified
2SSO10183	Active	755621 Sarah Parrish	Certified
2SSO10183	Active	756127 Sarah Parrish	Certified
2SSO10183	Active	756148 Sarah Parrish	Certified
2SSO10183	Active	756218 Sarah Parrish	Certified
2SSO10183	Active	756258 Sarah Parrish	Certified
2SSO10183	Active	756544 Sarah Parrish	Certified
2SSO10183	Active	756689 Sarah Parrish	Certified
2SSO10183	Active	756858 Sarah Parrish	Certified
2SSO10183	Active	757168 Sarah Parrish	Certified
2SSO10183	Active	757496 Sarah Parrish	Certified
2SSO10183	Active	757896 Sarah Parrish	Certified
2SSO10183	Active	758190 Sarah Parrish	Certified
2SSO10183	Active	758304 Sarah Parrish	Certified
2SSO10183	Active	758400 Sarah Parrish	Certified
2SSO10183	Active	758757 Sarah Parrish	Certified
2SSO10183	Active	758873 Sarah Parrish	Certified
2SSO10183	Active	759150 Sarah Parrish	Certified
2SSO10183	Active	759546 Sarah Parrish	Certified
2SSO10183	Active	759547 Sarah Parrish	Certified

[illegible]

City of San Mateo 4:15pm	627895
City of San Mateo 4:32pm	281127
City of San Mateo 4:33pm	569482
City of San Mateo 4:36pm	861131
City of San Mateo 4:37pm	218416
City of San Mateo 1:40pm	588692
City of San Mateo 2:45pm	146277
City of San Mateo 8:50am	793180
City of San Mateo 1:22pm	205066
City of San Mateo 1:25pm	799390
City of San Mateo 11:27am	969360
City of San Mateo 12:45pm	995290
City of San Mateo 10:45 am	216353
City of San Mateo 11:05 a.m.	548681
City of San Mateo 9:50am	262751
City of San Mateo 1:03pm	404689
City of San Mateo 12:58pm	234704
City of San Mateo 10:55am	736158
City of San Mateo 11:05am	898659
City of San Mateo 3:20pm	218721
City of San Mateo 1:21pm	902016
City of San Mateo 3:35pm	834312
City of San Mateo 3:08pm	519547
City of San Mateo 3:45pm	160070
City of San Mateo 3:02pm	243017
San Mateo	338649
City of San Mateo 2:23pm	910780
City of San Mateo 3:25pm	606560
City of San Mateo 1:25pm	955767
San Mateo, CA	500087
City of San Mateo 1:58pm	709409
City of San Mateo 2:56pm	143678
City of San Mateo 1:55pm	376816
City of San Mateo 4:02pm	150864
City of San Mateo 10:08am	694132
City of San Mateo 9:50pm	686098
City of San Mateo 10:20pm	771707
City of San Mateo 8:22pm	397744
City of San Mateo 3:18pm	404423
City of San Mateo 3:57pm	314224
City of San Mateo 11:08am	238202
City of San Mateo 9:28am	606839
City of San Mateo 2:55pm	652844
City of San Mateo 3:03pm	984541
City of San Mateo 1:01pm	699737
City of San Mateo 4:45pm	671489
City of San Mateo 6:17pm	473444
City of San Mateo 11:45am	600852
City of San Mateo 9:10am	636806
City of San Mateo 1:33pm	505483
City of San Mateo 10:25am	617554
City of San Mateo 12:09pm	310084
City of San Mateo 11:25am	125633
City of San Mateo 11:42am	373525
City of San Mateo 11:40am	625606

19-Jan-10		19-Jan-10	1/19/2010
19-Jan-10		19-Jan-10	1/19/2010
20-Jan-10		20-Jan-10	1/20/2010
20-Jan-10		20-Jan-10	1/20/2010
20-Jan-10		20-Jan-10	1/20/2010
22-Jan-10		22-Jan-10	1/22/2010
27-Jan-10		27-Jan-10	1/27/2010
8-Feb-10		8-Feb-10	2/8/2010
8-Feb-10		8-Feb-10	2/8/2010
8-Feb-10		8-Feb-10	2/8/2010
8-Feb-10		11-Feb-10	2/11/2010
21-Feb-10		24-Feb-10	2/24/2010
9-Mar-10		10-Mar-10	3/10/2010
10-Mar-10		10-Mar-10	3/10/2010
10-Mar-10		11-Mar-10	3/11/2010
16-Mar-10		16-Mar-10	3/16/2010
17-Mar-10		17-Mar-10	3/17/2010
25-Mar-10		26-Mar-10	3/26/2010
25-Mar-10		26-Mar-10	3/26/2010
29-Mar-10		29-Mar-10	3/29/2010
29-Mar-10		30-Mar-10	3/30/2010
2-Apr-10		2-Apr-10	4/2/2010
12-Apr-10		22-Apr-10	4/22/2010
14-Apr-10		14-Apr-10	4/14/2010
21-Apr-10		22-Apr-10	4/22/2010
27-Apr-10		27-Apr-10	4/27/2010
29-Apr-10		4-May-10	5/4/2010
30-Apr-10		4-May-10	5/4/2010
15-May-10	5/15/2010	15-May-10	5/15/2010
17-May-10	5/17/2010	18-May-10	5/18/2010
26-May-10	5/26/2010	26-May-10	5/26/2010
5-Jun-10	6/5/2010	8-Jun-10	6/8/2010
16-Jun-10	6/16/2010	19-Jun-10	6/19/2010
19-Jun-10	6/19/2010	19-Jun-10	6/19/2010
1-Jul-10	7/1/2010	2-Jul-10	7/2/2010
22-Jul-10	7/22/2010	29-Jul-10	7/29/2010
29-Jul-10	7/29/2010	29-Jul-10	7/29/2010
17-Aug-10	8/17/2010	17-Aug-10	8/17/2010
18-Aug-10	8/18/2010	21-Aug-10	8/21/2010
20-Aug-10	8/20/2010	21-Aug-10	8/21/2010
23-Aug-10	8/23/2010	24-Aug-10	8/24/2010
2-Sep-10	9/2/2010	3-Sep-10	9/3/2010
10-Sep-10	9/10/2010	19-Sep-10	9/19/2010
16-Sep-10	9/16/2010	19-Sep-10	9/19/2010
26-Sep-10	9/26/2010	6-Oct-10	10/6/2010
11-Oct-10	10/11/2010	13-Oct-10	10/13/2010
19-Oct-10	10/19/2010	19-Oct-10	10/19/2010
27-Oct-10	10/27/2010	28-Oct-10	12/7/2010
2-Nov-10	11/2/2010	2-Nov-10	11/2/2010
6-Nov-10	11/6/2010	6-Nov-10	11/6/2010
18-Nov-10	11/18/2010	19-Nov-10	11/19/2010
23-Nov-10	11/23/2010	30-Nov-10	12/7/2010
7-Dec-10	12/7/2010	7-Dec-10	12/7/2010
19-Dec-10	12/19/2010	20-Dec-10	12/20/2010
19-Dec-10	12/19/2010	20-Dec-10	12/20/2010



Category 1	63750	0
Category 1	26250	0
Category 1	48000	0
Category 1	3600	0
Category 1	18000	0
Category 3	20	20
Category 3	46	46
Category 1	950	0
Category 3	50	50
Category 3	60	60
Category 1	300	0
Category 3	180	180
Category 3	50	50
Category 3	125	125
Category 3	20	20
Category 2	1500	1500
Category 1	30275	0
Category 3	1	0
Category 2	1400	0
Category 3	300	300
Category 3	500	350
Category 1	20	20
Category 3	15	15
Category 1	400	400
Category 3	60	60
Category 3	30	30
Category 3	40	40
Category 3	90	90
Category 3	5	5
Category 3	90	90
Category 3	200	200
Category 3	75	75
Category 3	170	170
Category 3	210	50
Category 3	700	700
Category 3	10	10
Category 3	5	5
Category 3	25	25
Category 3	100	100
Category 3	68	68
Category 3	5	5
Category 3	30	30
Category 3	135	80
Category 3	900	900
Category 3	90	90
Category 3	70	70
Category 1	50	30
Category 3	30	30
Category 3	60	60
Category 3	30	30
Category 3	10	10
Category 1	700	280
Category 3	540	540
Category 1	7100	0
Category 1	100000	0

63750 Yes	Yes
26250 Yes	Yes
48000 Yes	Yes
3600 Yes	Yes
18000 Yes	Yes
0 No	No
0 No	No
950 Yes	Yes
No	No
No	No
300 Yes	No
0 No	Yes
0 No	No
0 No	Yes
0 No	No
0 No	Yes
30275 Yes	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
20 Yes	Yes
0 No	No
400 Yes	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	Yes
0 No	No
0 No	Yes
0 No	No
0 No	Yes
0 No	Yes
0 No	No
20 Yes	Yes
0 No	No
0 No	Yes
0 No	No
0 No	No
420 Yes	Yes
0 No	Yes
7100 Yes	Yes
100000 Yes	Yes

No  
No  
No  
No  
No  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
No  
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Not Applicable - Spill did not reach storm drainpipe  
Yes  
Not Applicable - Spill did not reach storm drainpipe  
No  
Not Applicable - Spill did not reach a separate storm drainpipe  
Yes  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
No  
Yes  
No  
No

El Camino Real at Hillsdale Shopping Center  
1901 S. Norfolk St  
El Camino Real at Hillsdale Shopping Center  
Delaware & Saratoga  
1901 & 2051 S Norfolk St  
12 Laurie Meadows  
1629 Trollman  
3515 Winway  
315 Virginia  
969 E Grant Pl  
4003 Kingridge Dr  
Barneson& Locust  
315 Virginia  
428 Peninsula Avenue  
509 Kentucky Avenue  
419 West 42nd ave  
4015 Kingridge Drive  
415 W Hillsdale Blvd  
614 26th Ave  
319 W. Poplar Avenue  
130 31 Ave  
3513 Winway  
838 Highland  
3905 Kingridge Dr  
7th Ave and Laurel St.  
82 East 39th Ave  
412 Yale Dr.  
612 10th Ave  
2000 Coyote Point Dr.  
29th & Alameda De Las Pulgas  
431 Westmoreland  
606 S El Camino Real  
704 Linda Ct.  
3245 Glendora  
107-109 W. 38th  
1794 Borden  
136 N. Railroad  
1405 Speers  
614 26th Ave  
72 Oak Valley Rd  
5 Emerald Ct  
12th & South B St  
809 Bromfield  
70 29th Ave  
212 Eaton Rd  
35 Baywood  
1523 Budd Ct  
809 Bromfield  
604 Parrott Dr  
920 East 4th Ave  
29 Baywood Ave  
Peninsula/Jefferson  
300 Jackson St  
631 Edinburgh St  
Delaware & Saratoga

37.53704	-122.29773 San Mateo
37.55371	-122.291042 San Mateo
37.53704	-122.29773 San Mateo
37.548948	-122.304838 San Mateo
37.55371	-122.29104 San Mateo
37.53047261	-122.3122978 San Mateo
37.581121	-122.3359 San Mateo
37.533057	-122.302731 San Mateo
37.557886	-122.328396 San Mateo
37.563318	-122.309204 San Mateo
37.52535795	-122.2875813 San Mateo
37.55298465	-122.3236259 San Mateo
37.55788578	-122.2919591 San Mateo
37.57900299	-122.316425 San Mateo
37.55372125	-122.3063821 San Mateo
37.52488478	-122.3380782 San Mateo
37.52525857	-122.2930375 San Mateo
37.5321	-122.294222 San Mateo
37.54028583	-122.3155177 San Mateo
37.56637603	-122.2971411 San Mateo
37.5371228	-122.3260314 San Mateo
37.53332	-122.28828 San Mateo
37.57458	-122.31809 San Mateo
37.52586	-122.309959 San Mateo
37.56178052	-122.30423 San Mateo
37.5380836	-122.3051813 San Mateo
37.5570486	-122.2968283 San Mateo
37.56219594	-122.3353855 San Mateo
37.586359	-122.325906 San Mateo
37.5365	-122.3112 San Mateo
37.567564	-122.348028 San Mateo
37.56002	-122.33858 San Mateo
37.52487	-122.29465 San Mateo
37.531181	-122.326089 San Mateo
37.53261	-122.29929 San Mateo
37.558893	-122.29282 San Mateo
37.57066	-122.30322 San Mateo
37.55836743	-122.3114401 San Mateo
37.540129	-122.321383 San Mateo
37.55033118	-122.3001451 San Mateo
37.533241	-122.323712 San Mateo
37.55860394	-122.3202082 San Mateo
37.564607	-122.329587 San Mateo
37.53951	-122.32329 San Mateo
37.56942	-122.30607 San Mateo
37.56408034	-122.31227 San Mateo
37.55175601	-122.3318726 San Mateo
37.5646	-122.32959 San Mateo
37.553309	-122.335006 San Mateo
37.5689	-122.30584 San Mateo
37.5645758	-122.31227 San Mateo
37.57709488	-122.3248493 San Mateo
37.555454	-122.333862 San Mateo
37.55653044	-122.3231318 San Mateo
37.54513203	-122.3307212 San Mateo

[illegible]

MH's 494-01, & 515-03 discharged 100gpm for 2 hours, then 50gpm for 1 hour (7am to 10am). MH 536-11 discharged 200gpm for 1 hour (10am to 1pm).

MH's 494-01 & 515-03 discharged 100gpm for 120 min. MH 536-11 discharged 200gpm for 120 min.  
2 manholes overflowing 431-06 & 431-07 20gpm each

Overflowing m/h due to plugged main.

Kingridge mainline in backyard easement. Mainline runs along a hill above a creek.

Overflowing M/H in backyard m/h # 281-37  
Overflowing m/h #575-36 to plugged storm drain

Above ground main pipe leaking at joint  
Plugged main caused private cleanout to overflow  
Overflowing clean-out  
Plugged main caused clean out to overflow  
sewer main blockage caused overflow of sewage to storm drain

Just upstream from MH#553:10 - pipe collapsed because of falling hillside

In front of entrance to Poplar Creek Golf Course

Overflow from cleanout as well as storm drain next to pond in backyard.

sewer leakage from manhole into plugged storm drain  
Toilet overflowed as home owner flushed toilet

Sewage bubbling out of ground due to plugged main.  
Overflow from Manhole #472-17 in front of Address

Private Cleanout on Mainline 24113X\_24112X

Sanitary overflow from manhole 154-01X onto soil  
MH 280-21X

10 gpm for 2 hours, then 100gpm for 1 h



Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Building or structure;Gravity sewer;Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Other sewer system structure  
Other (specify)  
Other sewer system structure  
Manhole  
Other sewer system structure  
Gravity sewer  
Manhole  
Other (specify)  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other (specify)  
Gravity sewer  
Other (specify)  
Manhole  
Building or structure  
Manhole  
Other (specify)  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole

MH's 494-01, 515-03, 536-11

MH# 455-02 discharged 150gpm from 7am to 9am,, 100gpm from 9am to 11am, and 25gpm from 11am to 12:30pm.

MH's 494-01, 515-03 & 536-11

MH's 455-02, 455-03 & 455-04 455-02 spilled 150gpm for 45min; 455-03 spilled 50gpm for 45 min; 455-04 spilled 200gp

MH# 578-10. Private manhole on lawn at condo complex - plug in public main in street.

MH#203:32

MH# 513:32

MH# 282:18

MH# 327:09

Proper cleanout on private lateral. Blockage in mainline.

MH# 346-22

M/H #282:17 Spill also entered basement. Possible broken pipe.

M/H #137:03

MH# 553-23

mainline 51222X\_51218X

cleanout on private property - main plugged

private cleanout

Cleanout on private lateral

overflow pipe from manhole to storm drain

Private clean-out in back of property

MH#284-05X

clean/out overflowed

clean/out in backyard

MH# 306-21X

MH#119-03

Mh#134-09X

Manhole #283-14X

cleanout and backyard storm drain connected to lateral

Broken sewer created blockage. Sewage seeped out of side of hill.

Cleanout in driveway

MH# 413-30

MH# 391-26

Backyard Cleanout

MH# 279-12

MH# 468-20 in backyard easement

MH# 326-25

Pipe 15401X\_13319X

MH# 261-41 in rear easement

Proper Cleanout

MH# 264-01X

Cleanout on Private Lateral - Problem in mainline

MH# 136-17X

M/H#260-31X in street

MH# 303-08

3 manholes and 1 cleanout on same line

Storm drain;Surface water  
Storm drain;Surface water  
Storm drain;Surface water  
Storm drain;Surface water  
Surface water  
Street/curb and gutter  
Street/curb and gutter  
Surface water  
Street/curb and gutter;Unpaved surface  
Unpaved surface  
Surface water  
Street/curb and gutter;Other (specify below)  
Building or structure;Other paved surface;Unpaved surface  
Storm drain  
Unpaved surface  
Storm drain  
Surface water  
Unpaved surface  
Unpaved surface  
Storm drain  
Other paved surface;Storm drain;Street/curb and gutter;Unpaved surface  
Storm drain;Surface water  
Other paved surface  
Surface water  
Storm drain;Street/curb and gutter  
Storm drain  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Storm drain  
Street/curb and gutter;Other (specify below)  
Street/curb and gutter  
Other (specify below)  
Unpaved surface  
Other (specify below)  
Storm drain  
Building or structure  
Storm drain  
Unpaved surface  
Other paved surface;Storm drain  
Unpaved surface  
Storm drain;Street/curb and gutter  
Unpaved surface  
Storm drain  
Storm drain;Other (specify below)  
Street/curb and gutter  
Other paved surface;Surface water  
Unpaved surface  
Storm drain  
Street/curb and gutter  
Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Separate storm drain  
Separate storm drain;Surface water

19th Ave Channel  
Marina Lagoon  
19th Ave Channel  
19th Ave Channel  
Marina Lagoon

Laurel Creek to East Laurel Channel  
backyard

Bubble-up Storm Drain

Bubble up storm drain

Less than a half of a gallon dripped onto an unpaved surface  
Backyard of two houses. Spill soaked into grass and land.  
Bubble up storm drain  
Bubble-Up Storm Drain

Kingridge Creek

contained at storm drain

Bubble-Up

Bubble-Up catchbasin

backyard pond  
Side of hill  
Bubble-Up

Storm drain plugged downstream

Storm drain plugged downstream. All contained and cleaned.

Spill ran along Alameda and entered catchbasin at Crystal Springs Road. Storm Drain plugged at Crystal Springs and Tu

Crews thought had plugged the appropriate Storm Drain for containment. Later discovered did not. Only 40% contained.  
Bubble up storm drain  
Storm drain flows to 16th Ave Channel and out to Marina Lagoon

1/19/2010 0:00	1/19/2010 7:00	1/19/2010 7:00	1/19/2010 11:30
1/19/2010 0:00	1/19/2010 7:00	1/19/2010 7:00	1/19/2010 12:30
1/20/2010 0:00	1/20/2010 8:30	1/20/2010 8:30	1/20/2010 10:30
1/20/2010 0:00	1/20/2010 10:00	1/20/2010 10:00	1/20/2010 11:30
1/20/2010 0:00	1/20/2010 10:30	1/20/2010 10:30	1/20/2010 11:15
1/22/2010 8:40	1/22/2010 8:40	1/22/2010 8:45	1/22/2010 8:55
1/27/2010 9:24	1/27/2010 9:50	1/27/2010 10:00	1/27/2010 10:10
2/5/2010 9:07	2/5/2010 9:07	2/5/2010 9:35	2/5/2010 9:45
2/6/2010 11:30	2/6/2010 11:30	2/6/2010 12:00	2/6/2010 12:20
2/6/2010 12:50	2/6/2010 12:50	2/6/2010 13:00	2/6/2010 13:10
2/8/2010 9:30	2/8/2010 9:50	2/8/2010 10:00	2/8/2010 10:30
2/21/2010 14:30	2/21/2010 14:30	2/21/2010 17:00	2/21/2010 17:30
3/9/2010 11:20	3/9/2010 11:20	3/9/2010 11:50	3/9/2010 12:10
3/10/2010 7:45	3/10/2010 7:45	3/10/2010 7:55	3/10/2010 8:10
3/10/2010 16:00	3/10/2010 16:00	3/10/2010 16:30	3/10/2010 17:15
3/15/2010 18:20	3/15/2010 18:20	3/15/2010 18:50	3/15/2010 19:20
3/16/2010 19:20	3/16/2010 19:20	3/16/2010 19:40	3/17/2010 9:45
3/25/2010 14:37	3/25/2010 14:38	3/25/2010 14:45	3/25/2010 15:40
3/25/2010 17:50	3/25/2010 18:05	3/25/2010 19:20	3/25/2010 20:10
3/29/2010 8:30	3/29/2010 8:30	3/29/2010 8:30	3/29/2010 8:50
3/29/2010 14:20	3/29/2010 14:20	3/29/2010 16:25	3/29/2010 16:55
4/2/2010 9:32	4/2/2010 9:32	4/2/2010 9:48	4/2/2010 9:52
4/11/2010 19:30	4/12/2010 11:30	4/12/2010 11:37	4/11/2010 20:00
4/14/2010 9:45	4/14/2010 11:15	4/14/2010 11:30	4/14/2010 11:45
4/21/2010 9:15	4/21/2010 9:15	4/21/2010 9:25	4/21/2010 9:45
4/26/2010 13:50	4/26/2010 13:50	4/26/2010 13:55	4/26/2010 14:10
4/29/2010 7:45	4/29/2010 7:55	4/29/2010 8:10	4/29/2010 8:25
4/30/2010 15:40	4/30/2010 15:55	4/30/2010 15:45	4/30/2010 15:55
5/15/2010 11:45	5/15/2010 11:45	5/15/2010 12:05	5/15/2010 11:55
5/17/2010 8:18	5/17/2010 8:18	5/17/2010 8:23	5/17/2010 8:36
5/26/2010 10:30	5/26/2010 10:30	5/26/2010 10:50	5/26/2010 11:10
6/5/2010 15:15	6/5/2010 15:15	6/5/2010 15:30	6/5/2010 15:40
6/16/2010 14:00	6/16/2010 14:33	6/16/2010 15:00	6/16/2010 15:25
6/19/2010 8:00	6/19/2010 14:10	6/19/2010 14:41	6/19/2010 14:57
7/1/2010 20:05	7/1/2010 20:05	7/1/2010 20:20	7/1/2010 20:40
7/22/2010 21:30	7/22/2010 21:30	7/22/2010 21:40	7/22/2010 22:50
7/29/2010 12:20	7/29/2010 12:20	7/29/2010 12:30	7/29/2010 12:25
8/17/2010 18:15	8/17/2010 18:15	8/17/2010 18:20	8/17/2010 18:40
8/18/2010 12:45	8/18/2010 12:45	8/18/2010 12:55	8/18/2010 13:10
8/20/2010 11:00	8/20/2010 11:40	8/20/2010 12:10	8/20/2010 12:25
8/23/2010 11:00	8/23/2010 11:00	8/23/2010 11:00	8/23/2010 11:15
9/2/2010 13:10	9/2/2010 13:10	9/2/2010 13:15	9/2/2010 13:25
9/10/2010 13:30	9/10/2010 13:30	9/10/2010 13:45	9/10/2010 14:15
9/16/2010 8:29	9/16/2010 8:30	9/16/2010 8:35	9/16/2010 9:05
9/26/2010 18:00	9/26/2010 18:00	9/26/2010 18:40	9/26/2010 18:45
10/11/2010 16:15	10/11/2010 16:15	10/11/2010 16:30	10/11/2010 16:50
10/19/2010 8:13	10/19/2010 8:13	10/19/2010 8:25	10/19/2010 8:35
10/27/2010 15:20	10/27/2010 15:20	10/27/2010 15:45	10/27/2010 16:00
10/31/2010 10:00	10/31/2010 10:00	10/31/2010 10:23	10/31/2010 10:30
11/6/2010 10:30	11/6/2010 10:30	11/6/2010 10:40	11/6/2010 11:00
11/18/2010 13:55	11/18/2010 13:55	11/18/2010 14:05	11/18/2010 14:15
11/23/2010 13:15	11/23/2010 13:15	11/23/2010 13:15	11/23/2010 13:40
12/7/2010 7:09	12/7/2010 7:10	12/7/2010 7:20	12/7/2010 7:45
12/19/2010 0:00	12/19/2010 7:50	12/19/2010 8:00	12/19/2010 11:00
12/19/2010 0:00	12/19/2010 9:00	12/19/2010 9:05	12/19/2010 11:00

Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debri-General  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Debri-Rags  
Root intrusion  
Root intrusion  
Pipe structural problem/failure  
Pipe structural problem/failure  
Root intrusion  
Debri-General  
Grease deposition (FOG)  
Debri-Rags  
Grease deposition (FOG)  
Pipe structural problem/failure  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debri-General  
Root intrusion  
Other (specify below)  
Other (specify below)  
Pipe structural problem/failure  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debri-General  
Other (specify below)  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Pipe structural problem/failure  
Grease deposition (FOG)  
Root intrusion  
Debri-General  
Grease deposition (FOG)  
Pipe structural problem/failure  
Other (specify below)  
Root intrusion  
Rainfall exceeded design (Seperate CS Only)  
Rainfall exceeded design (Seperate CS Only)

I&I

Soda bottle in sewer

Styrofoam

Rain soaked hillside slipping - causing pipe to shift and break

Solids

Initial inspection from lat into main showed nothing. Blockage in main.

PG@E ground rod in sanitary main line

FOG & Roots

Solids

This mainline currently on engineering's list for repair.  
Combination of FOG & broken pipe.

[illegible][illegible]



Blockage in mainline

Downstream main 13310X\_13309X

Mainline 24113X\_24112X

15  
18  
15  
33  
18  
6 VCP  
6 vcp  
8 VCP  
6 VCP  
6 VCP  
6 clay  
6 VCP  
6 vcp  
6 PVC  
6 VCP  
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6 iron  
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6 clay  
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8 clay  
  
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6 VCP  
8 pvc  
6 VCP  
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68  
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82

55  
1924  
65  
89  
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71  
60  
62  
80  
25  
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60  
70  
80

80  
60  
55  
48  
64  
54  
100  
57  
62  
54  
53  
68  
26  
64  
74  
53  
55  
65  
80

53  
80  
74

65



Barricades  
Barricades/booms  
Barricades  
Barricades  
Barricades

Collected Water Samples,

Kingridge mainline is currently under re-engineering for rehabilitation

Affected soil dug up and hauled away

Crews arrived and immediately plugged an overflow that trickled 1gpm into a storm drain with direct flow to the creek. Cr

Creek sandbagged downstream and vacuumed for 90 minutes to capture all spill and pump back to sanitary

Working with PG&E to have grounding rod removed and pipe repaired.

Referred to Engineering for pipe repair.

1/19/2010 11:30  
1/19/2010 12:30  
1/20/2010 11:00  
1/20/2010 11:30  
1/20/2010 11:30

2/5/2010 10:00

2/8/2010 11:00

3/15/2010 20:00  
3/17/2010 12:00

3/25/2010 21:30

4/2/2010 14:15

4/14/2010 15:30

8/17/2010 18:55

10/19/2010 9:05

11/23/2010 14:15

12/19/2010 12:00  
12/19/2010 12:00

Other (specify below)  
Other (specify below)  
Other (specify below)  
Plan rehabilitation or replacement of sewer  
Other (specify below)

Other (specify below)

Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance  
Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer

Other (specify below)

Repaired sewer

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer

Citywide I&I management projects underway  
Relief sewer line planned  
Citywide I&I management projects underway.  
Citywide I&I management projects underway  
Citywide I&I reduction projects underway

Already on a PM program. Will re-evaluate frequency of cleaning

Kingridge Sewer Line is currently under environmental review for planned re-engineering and replacement.

Refer to engineering for further evaluation

24' segment of pipe replaced from manhole to next section of plastic pipe (broken clay & one plastic spot repair all removed)

Location in engineering for re-design  
Mainline with engineering for solution to surcharges



No  
No  
No  
No  
No

No

Yes

No  
No

No

No

No

No

No

No

No  
No

No visual impact  
No visual impacts  
No visual impacts  
No visual impacts  
No visual impacts

n/a

N/A

NA

n/a  
No visual impacts

No visual impact. Water from collapsed pipe was clear.  
n/a

N/A  
N/A

N/A

N/A

No visual impact

No visual impacts  
No visual impacts

Yes  
Yes  
Yes  
Yes  
Yes

Yes

Yes

No  
Yes

Yes

Yes

No

No

Yes

No

Yes  
No

Aquatic Park, Lakeshore Beach  
Aquatic Park  
Parkside Aquatic Beach and Lakeshore Park Beach  
Lakeshore Park Beach  
Lakeshore Park Beach

NA

n/a

NA  
Parkside Aquatic and Lakeshore

NA

NA

NA

N/A

N/A

N/A  
N/A  
Aquatic Park & Lakeshore Park  
Aquatic Park & Lakeshore Park

19th Ave Channel, Marina Lagoon  
Marina Lagoon  
19th Ave Channel, Marina Lagoon  
19th Ave Channel, Marina Lagoon  
Marina Lagoon

Laurel Creek & East Laurel Channel

Kingridge Creek

NA  
Kingridge Creek to Laurel Creek & Channel to Marina Lagoon

NA

Laurel Creek

Kingridge Creek for one long block. Spill captured before Kingridge Creek meets Laurel Creek which then flows to the la

N/A

N/A  
N/A  
N/A  
n/a  
19th Ave Channel  
N/A  
n/a  
N/A  
N/A  
Coyote Point Channel  
none  
16th Ave Channel & Marina Lagoon  
19th Ave Channel & Marina Lagoon

Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)

Biological indicator(s) - specify below

Biological indicator(s) - specify below

Not applicable to this spill  
Biological indicator(s) - specify below

Not applicable to this spill

Biological indicator(s) - specify below

Biological indicator(s) - specify below

Not applicable to this spill

Biological indicator(s) - specify below

No water quality samples taken

Biological indicator(s) - specify below  
Biological indicator(s) - specify below

SM County to take Water Samples  
SM County Health to take samples  
SM County Health to take water samples  
SM County Health to take water samples  
SM Co Health to take water samples

Total & Fecal Coliform, Enterococcus

E-coli and enterococcus

Total Coliform, E-coli & Enterococcus

Total Coliform, e-coli, enterococcus

Total coliform, e-coli & enterococcus

Total Coliform & Ecoli

Total Coliform & E. coli & Enterococcus  
Total Coliform & E. coli & Enterococcus

County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency

County Health Agency

County Health Agency

Not applicable to this spill  
County Health Agency

Not applicable to this spill

County Health Agency

County Health Agency

Not applicable to this spill

County Health Agency

No water quality samples taken

County Health Agency  
County Health Agency



Staff at County not present for 2 hours. Samples sat at room temp.



100399	1/19/2010 9:00
100400	1/19/2010 9:00
100458	1/20/2010 10:30
100459	10/20/2010 10:30
100400	1/20/2010 10:30
100567	1/22/2010 9:50
100716	1/27/2010 9:40
100942	2/5/2010 10:11
100969	2/6/2010 13:05
100970	2/6/2010 13:10
101006	2/8/2010 10:59
101313	2/21/2010 18:20
101662	3/9/2010 13:17
101683	3/10/2010 9:45
101690	3/10/2010 18:00
101807	3/15/2010 20:30
101843	3/16/2010 21:45
102019	3/25/2010 15:52
102029	3/25/2010 21:14
102074	3/29/2010 9:16
102089	3/29/2010 18:03
102138	4/2/2010 10:25
102314	4/12/2010 11:55
102361	4/14/2010 11:45
102494	4/21/2010 10:00
102615	4/26/2010 14:30
102686	4/29/2010 8:50
102720	4/30/2010 16:20
103029	5/15/2010 12:36
103059	5/17/2010 9:10
103248	5/26/2010 11:33
103451	6/5/2010 16:20
103677	6/16/2010 16:05
103745	6/19/2010 15:30
104011	7/1/2010 21:05
104431	7/22/2010 23:10
104538	7/29/2010 13:35
104934	8/17/2010 19:13
104953	8/18/2010 13:39
104990	8/20/2010 12:40
105030	8/23/2010 11:45
105283	9/2/2010 13:40
105462	9/16/2010 15:10
105569	9/16/2010 10:05
105783	9/26/2010 19:25
106132	10/11/2010 17:00
106278	10/19/2010 9:00
106465	10/27/2010 16:45
106534	10/31/2010 11:00
106679	11/6/2010 11:06
106941	11/18/2010 14:25
107057	11/23/2010 14:05
107334	12/7/2010 8:07
107621	12/19/2010 10:39
107622	12/19/2010 10:42



2SSO10183	Active	759548 Sarah Parrish	Certified
2SSO10183	Active	759551 Sarah Parrish	Certified
2SSO10183	Active	759554 Sarah Parrish	Certified
2SSO10183	Active	759962 Sarah Parrish	Certified
2SSO10183	Active	759969 Ed Vigil	Certified
2SSO10183	Active	760018 Sarah Parrish	Certified
2SSO10183	Active	762714 Sarah Parrish	Certified
2SSO10183	Active	762865 Sarah Parrish	Certified
2SSO10183	Active	763725 Sarah Parrish	Certified
2SSO10183	Active	763777 Sarah Parrish	Certified
2SSO10183	Active	763877 Sarah Parrish	Certified
2SSO10183	Active	764063 Sarah Parrish	Certified
2SSO10183	Active	764074 Sarah Parrish	Certified
2SSO10183	Active	764504 Sarah Parrish	Certified
2SSO10183	Active	764605 Sarah Parrish	Certified
2SSO10183	Active	764768 Sarah Parrish	Certified
2SSO10183	Active	764774 Sarah Parrish	Certified
2SSO10183	Active	764780 Sarah Parrish	Certified
2SSO10183	Active	764783 Sarah Parrish	Certified
2SSO10183	Active	764794 Sarah Parrish	Certified
2SSO10183	Active	764801 Sarah Parrish	Certified
2SSO10183	Active	764842 Sarah Parrish	Certified
2SSO10183	Active	764862 Sarah Parrish	Certified
2SSO10183	Active	764952 Sarah Parrish	Certified
2SSO10183	Active	764986 Sarah Parrish	Certified
2SSO10183	Active	765031 Sarah Parrish	Certified
2SSO10183	Active	765751 Sarah Parrish	Certified
2SSO10183	Active	767304 Sarah Parrish	Certified
2SSO10183	Active	768225 Sarah Parrish	Certified
2SSO10183	Active	769324 Sarah Parrish	Certified
2SSO10183	Active	769701 Sarah Parrish	Certified
2SSO10183	Active	770892 Sarah Parrish	Certified
2SSO10183	Active	771161 Sarah Parrish	Certified
2SSO10183	Active	771634 Sarah Parrish	Certified
2SSO10183	Active	771873 Sarah Parrish	Certified
2SSO10183	Active	771959 Sarah Parrish	Certified
2SSO10183	Active	772239 Sarah Parrish	Certified
2SSO10183	Active	772372 Sarah Parrish	Certified
2SSO10183	Active	773287 Sarah Parrish	Certified
2SSO10183	Active	773395 Sarah Parrish	Certified
2SSO10183	Active	773713 Sarah Parrish	Certified
2SSO10183	Active	773933 Sarah Parrish	Certified
2SSO10183	Active	775530 Sarah Parrish	Certified
2SSO10183	Active	775729 Sarah Parrish	Certified
2SSO10183	Active	776606 Sarah Parrish	Certified
2SSO10183	Active	777161 Sarah Parrish	Certified
2SSO10183	Active	777458 Sarah Parrish	Certified
2SSO10183	Active	777572 Sarah Parrish	Certified
2SSO10183	Active	779156 Sarah Parrish	Certified
2SSO10183	Active	779498 Sarah Parrish	Certified
2SSO10183	Active	780072 Sarah Parrish	Certified
2SSO10183	Active	780076 sarah Parrish	Certified
2SSO10183	Active	780251 Sarah Parrish	Certified
2SSO10183	Active	780985 Sarah Parrish	Certified
2SSO10183	Active	781629 Sarah Parrish	Certified

[illegible]

City of San Mateo 11:38am	852763
City of San Mateo 11:28am	778993
City of San Mateo 11:00am	375974
City of San Mateo 1:30pm	757474
CVity of San Mateo	390584
City of San Mateo 1:12pm	371785
City of San Mateo 9:10am	528384
City of San Mateo 8:51am	118265
City of San Mateo 11:06am	241814
City of San Mateo 12:27pm	710686
City of San Mateo 5:35pm	770828
City of San Mateo 2:35pm	352527
City of San Mateo 10:19am	274369
City of San Mateo 9:40am	915106
City of San Mateo 4:12pm	461933
City of San Mateo 1:11pm	197217
City of San Mateo 12:57pm	322357
City of San Mateo 11:18am	919444
City of San Mateo 2:36pm	579055
City of San Mateo 2:10pm	469511
City of San Mateo 8:36am	827286
City of San Mateo 12:20pm	930201
City of San Mateo 5:48pm	149991
City of San Mateo 9:30am	698642
City of San Mateo 1:47pm	741017
City of San Mateo 1:20pm	313784
City of San Mateo 2:55pm	814153
City of San Mateo 4:41pm	261186
City of San Mateo 9:15am	251009
City of San Mateo 3:30pm	150423
City of San Mateo 3:26pm	761707
City of San Mateo 4:15pm	941332
City of San Mateo 11:42am	866631
City of San Mateo 10:11am	265976
City of San Mateo 10:57am	150440
City of San Mateo 1:58pm	516516
City of San Mateo 1:12pm	862817
City of San Mateo 9:32am	444779
City of San Mateo 9:38am	529946
City of San Mateo 2:12pm	369077
City of San Mateo 9:58am	529351
City of San Mateo 2:45pm	976323
City of San Mateo 2:04pm	187098
City of San Mateo 2:36pm	298867
City of San Mateo 4:59pm	846067
City of San Mateo 4:20pm	617587
City of San Mateo 1:40pm	738405
City of San Mateo 1:47pm	935077
City of San Mateo 9:58am	791038
City of San Mateo 9:36am	145972
City of San Mateo 10:12am	347444
City of San Mateo 9:32am	114621
City of San Mateo 10:04am	929560
City of San Mateo 2:02pm	321067
City of San Mateo 9:40am	950124

19-Dec-10	12/19/2010	20-Dec-10	12/20/2010
19-Dec-10	12/19/2010	20-Dec-10	12/20/2010
19-Dec-10	12/19/2010	20-Dec-10	12/20/2010
28-Dec-10	12/28/2010	30-Dec-10	1/21/2011
29-Dec-10	12/29/2010	30-Dec-10	12/30/2010
30-Dec-10	12/30/2010	21-Jan-11	1/21/2011
9-Feb-11	2/9/2011	11-Feb-11	2/11/2011
10-Feb-11	2/10/2011	11-Feb-11	2/11/2011
25-Feb-11	2/25/2011	25-Feb-11	2/25/2011
26-Feb-11	2/26/2011	26-Feb-11	2/26/2011
28-Feb-11	2/28/2011	1-Mar-11	3/1/2011
6-Mar-11	3/6/2011	6-Mar-11	3/6/2011
7-Mar-11	3/7/2011	8-Mar-11	3/8/2011
20-Mar-11	3/20/2011	21-Mar-11	3/21/2011
21-Mar-11	3/21/2011	22-Mar-11	3/22/2011
24-Mar-11	3/24/2011	25-Mar-11	3/25/2011
24-Mar-11	3/24/2011	25-Mar-11	3/25/2011
24-Mar-11	3/24/2011	25-Mar-11	3/25/2011
24-Mar-11	3/24/2011	25-Mar-11	3/25/2011
24-Mar-11	3/24/2011	25-Mar-11	3/25/2011
25-Mar-11	3/25/2011	26-Mar-11	3/29/2011
26-Mar-11	3/26/2011	27-Mar-11	3/27/2011
29-Mar-11	3/29/2011	30-Mar-11	3/30/2011
30-Mar-11	3/30/2011	31-Mar-11	3/31/2011
31-Mar-11	3/31/2011	31-Mar-11	3/31/2011
3-Apr-11	4/3/2011	6-Apr-11	4/6/2011
25-Apr-11	4/25/2011	25-Apr-11	4/25/2011
8-Jun-11	6/8/2011	8-Jun-11	6/8/2011
7-Jul-11	7/7/2011	8-Jul-11	7/8/2011
1-Aug-11	8/1/2011	1-Aug-11	8/1/2011
11-Aug-11	8/11/2011	11-Aug-11	8/11/2011
9-Sep-11	9/9/2011	9-Sep-11	9/9/2011
19-Sep-11	9/19/2011	19-Sep-11	9/21/2011
2-Oct-11	10/2/2011	5-Oct-11	10/5/2011
9-Oct-11	10/9/2011	10-Oct-11	10/10/2011
12-Oct-11	10/12/2011	12-Oct-11	10/12/2011
20-Oct-11	10/20/2011	20-Oct-11	10/20/2011
26-Oct-11	10/26/2011	27-Oct-11	10/27/2011
20-Nov-11	11/20/2011	21-Nov-11	11/21/2011
22-Nov-11	11/22/2011	22-Nov-11	11/22/2011
4-Dec-11	12/4/2011	6-Dec-11	12/6/2011
11-Dec-11	12/11/2011	12-Dec-11	12/12/2011
8-Jan-12	1/8/2012	10-Jan-12	1/12/2012
11-Jan-12	1/11/2012	12-Jan-12	1/12/2012
30-Jan-12	1/30/2012	31-Jan-12	1/31/2012
11-Feb-12	2/11/2012	13-Feb-12	2/28/2012
14-Feb-12	2/14/2012	22-Feb-12	2/22/2012
16-Feb-12	2/16/2012	22-Feb-12	2/22/2012
27-Mar-12	3/27/2012	29-Mar-12	3/29/2012
4-Apr-12	4/4/2012	5-Apr-12	4/5/2012
13-Apr-12	4/13/2012	18-Apr-12	4/18/2012
13-Apr-12	4/13/2012	18-Apr-12	4/18/2012
18-Apr-12	4/18/2012	18-Apr-12	4/18/2012
6-May-12	5/6/2012	14-May-12	5/14/2012
24-May-12	5/24/2012	29-May-12	5/29/2012



Category 1	42000	0
Category 1	1150	0
Category 3	500	500
Category 1	38000	0
Category 1	300	0
Category 1	800	0
Category 3	30	30
Category 3	5	5
Category 1	35	0
Category 3	136	136
Category 1	100	50
Category 1	300	100
Category 3	100	100
Category 1	1500	0
Category 1	32	0
Category 1	120000	0
Category 1	600000	0
Category 1	15810	0
Category 1	3200	0
Category 1	9300	0
Category 1	700	10
Category 3	60	60
Category 3	200	200
Category 3	80	80
Category 3	200	200
Category 3	10	10
Category 3	5	5
Category 3	20	20
Category 3	250	250
Category 3	100	100
Category 1	1620	0
Category 3	10	10
Category 1	100	50
Category 3	85	85
Category 3	20	20
Category 1	380	25
Category 3	15	15
Category 3	80	80
Category 2	7600	7600
Category 3	170	170
Category 3	82	82
Category 3	20	20
Category 3	480	480
Category 3	110	110
Category 3	20	20
Category 2	1200	1200
Category 3	60	60
Category 3	280	280
Category 3	90	10
Category 1	4	3
Category 1	8800	0
Category 3	125	125
Category 1	1000	0
Category 3	5	5
Category 3	3	3

42000 Yes	Yes
1150 Yes	Yes
0 No	No
38000 Yes	Yes
300 Yes	Yes
800 Yes	Yes
0 No	Yes
0 No	No
35 No	Yes
0 No	Yes
50 No	Yes
200 Yes	Yes
0 No	Yes
1500 Yes	Yes
32 Yes	Yes
120000 Yes	Yes
600000 Yes	Yes
15810 Yes	Yes
3200 Yes	Yes
9300 Yes	Yes
690 Yes	Yes
0 No	No
0 No	Yes
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
1620 Yes	Yes
0 No	Yes
50 Yes	Yes
0 No	Yes
0 No	Yes
355 Yes	Yes
0 No	No
0 No	Yes
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	Yes
0 No	No
1 Yes	Yes
8800 Yes	Yes
0 No	Yes
1000 Yes	Yes
0 No	No
0 No	No

No  
No  
Not Applicable - Spill did not reach a separate storm drainpipe  
No  
No  
No  
Yes  
Not Applicable - Spill did not reach a separate storm drainpipe  
No  
Yes  
No  
No  
No  
Yes  
No  
No  
No  
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No  
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No  
Not Applicable - Spill did not reach a separate storm drainpipe  
Yes  
Yes  
Yes  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Yes  
Not Applicable - Spill did not reach a separate storm drainpipe  
No  
Yes  
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Yes  
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Not Applicable - Spill did not reach a separate storm drainpipe  
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Yes  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Yes  
Yes  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Yes  
Not Applicable - Spill did not reach a separate storm drainpipe  
No  
No  
Yes  
No  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe

2051 S Norfolk St  
18 S Rochester St  
360 Parrott  
631 Edinburgh  
Olive ct and S. Rochester  
2837 Juniper  
409 Ellsworth Ct  
Tilton Ave & Railroad  
631 Edinburgh  
Halsey Ave  
418 Wisnom  
1785 Van Buren  
323 Castilian  
Edinburgh at Fordham  
1560 Roberta  
2051 S Norfolk St  
25th Ave & Delaware - Bay Meadows North Gate  
3513 Winway  
37Th & Hacienda  
Delaware & Saratoga  
30 Chester Way  
29 East 38th Ave  
Barroilhet & Edgewood  
2003 Polk  
325 Barriolhet  
1583 Roberta  
3912 Wilshire  
Clark & Crescent  
Alameda & Cornell  
942 S Eldorado  
2443 Holland St  
755 Nevada  
415 west 42nd Ave  
438 N El Camino Real  
Van Buren & Polk  
3610 Kingridge  
4028 Kingridge  
239 Elm  
631 Edinburgh  
Warren & Costa Rica  
229 42nd Ave  
231 41st Ave  
1301 Beacon  
738 Occidental  
248 Clark Dr.  
340 Ranelagh  
Edison & Chestnut  
159 Arbor  
29 E 38th Ave  
Mariners Island Temporary Bypass Line  
3418 Shasta  
1409 Speers  
Bay Meadows Gate  
2435 Holland  
1572 Roberta

37.55339909	-122.2999432 San Mateo
37.577143	-122.310445 San Mateo
37.55719	-122.30974 San Mateo
37.55653	-122.32313 San Mateo
37.57714	-122.31229 San Mateo
37.53808	-122.32672 San Mateo
37.57335959	-122.2978168 San Mateo
37.56999	-122.3257 San Mateo
37.55653	-122.32313 San Mateo
37.56079	-122.31066 San Mateo
37.570515	-122.335414 San Mateo
37.56519014	-122.3269964 San Mateo
37.55437965	-122.3246405 San Mateo
37.55653	-122.32313 San Mateo
37.55940443	-122.2948978 San Mateo
37.55339909	-122.2999432 San Mateo
37.54417195	-122.3012101 San Mateo
37.533057	-122.28739 San Mateo
37.53101045	-122.3136605 San Mateo
37.54849148	-122.3284973 San Mateo
37.56816843	-122.3289494 San Mateo
37.53433011	-122.3095828 San Mateo
37.57072789	-122.327626 San Mateo
37.56519014	-122.3269964 San Mateo
37.5720464	-122.3332646 San Mateo
37.559404	-122.294897 San Mateo
37.52709	-122.28896 San Mateo
37.56937323	-122.316425 San Mateo
37.55518412	-122.3101942 San Mateo
37.56248	-122.31404 San Mateo
37.546214	-122.289011 San Mateo
37.550118	-122.33514 San Mateo
37.525096	-122.302721 San Mateo
37.570502	-122.336627 San Mateo
37.56519014	-122.3269964 San Mateo
37.528343	-122.31106 San Mateo
37.52449	-122.30627 San Mateo
37.5701644	-122.32012 San Mateo
37.55653	-122.326285 San Mateo
37.5688765	-122.3298897 San Mateo
37.52640727	-122.3119897 San Mateo
37.527471	-122.29741 San Mateo
37.56993	-122.30255 San Mateo
37.570136	-122.33156 San Mateo
37.56834622	-122.3328668 San Mateo
37.5665459	-122.3170676 San Mateo
37.53638924	-122.3228763 San Mateo
37.53608052	-122.3249745 San Mateo
37.53433011	-122.3095828 San Mateo
37.569135	-122.291491 San Mateo
37.52723	-122.29495 San Mateo
37.55878053	-122.3107439 San Mateo
37.545132	-122.303015 San Mateo
37.54921356	-122.3343778 San Mateo
37.559363	-122.29796 San Mateo

[illegible]

Root Blockage in main. Private cleanout spilled onto land/unpaved surface.  
sewer overflow into storm system due to heavy rain event, capacity deficiency  
sewer overflow into storm system due to rain event, capacity deficiency  
Sewer overflow into storm system due to heavy rain event. Reporting Party notified City on 12-30-10 in the am. Spill eve

Spill overflow into storm system due to heavy rain  
overflowing manhole in street due to RAG blockage in sewer line. MH#392-01X  
MH# 178-37X

overflow from sewer Manhole into storm system due to capacity deficiency and poor grade from heavy rain event

MH# 513-32 in right of way

Small overflow from manhole fully contained and recovered  
Manhole #553-42X in middle of street

From manhole to gutter then catchbasin

On the side of the hill  
Mainline that runs along backyard easement along a hill.

manhole in backyard easement  
Along brigde by Marina Lagoon Storm Pumpstation

Manhole in street  
Manhole 413-20X in back yard

ent occurred 12-28-10 in the pm. Samp



Manhole  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole  
Building or structure;Other (specify)  
Manhole  
Other (specify)  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer  
Other sewer system structure  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole

MH# 455-03X  
MH# 245-13X  
Private Lateral Cleanout

MH# 471-22X  
MH#179-32  
MH# 221-18X  
MH#303-08X

MH# 371-40X  
MH# 303-20X  
MH# 303-08X  
MH# 413-29X  
MH# 455-03X  
2 New Manholes at north entrance to Bay Meadows

MH# 534-03X  
C-O in front of Public Storage  
overflowed out of cleanout due to mainline break  
MH#536-15X in backyard  
MH# 113-05X  
MH#371-40X  
Cleanout on private lateral- main (13307X\_13427X) plugged  
MH# 413-29X

MH# 156-04X in island in intersection  
MH# 260-02  
Sub-basement cleanout  
MH# 475-28X  
Sewage seeping from asphalt just above MH# 301-05X in ROW.  
MH# 575-36X in ROW  
Cleanout on private lateral - plug in mainline 17803X\_17807X  
MH# 371-40X  
MH# 532-19  
MH# 574-07  
Private lateral Clean out  
MH# 303-08 - has a Smart Cover alarm  
MH# 134-07  
Blockage forced water out a joint in pipe 57636X\_57635X  
Mainline plugged due to root intrusion. Manhole holding but did not overflow. Water seeped out a retaining wall.  
Mainline cleanout - 265-CO4  
MH# 134-11X  
Cleanout on private lateral - plug in mainline.  
Lampost cleanout 198-CO1  
MH# 514-02X  
Manhole 492-15X  
MH #536-15X  
Air valve on temporay bypass formain loosened and sprayed sewage onto cement bridge where bypass line was placed.  
Manhole #446-14X in backyard easement  
Manhole # 391-26X in street.

MH # 475-28X

Separate storm drain;Surface water  
Separate storm drain;Surface water  
Unpaved surface  
Separate storm drain;Surface water  
Surface water  
Separate storm drain;Surface water  
Separate storm drain  
Street/curb and gutter  
Separate storm drain  
Separate storm drain  
Separate storm drain  
Surface water  
Separate storm drain  
Separate storm drain;Surface water  
Surface water  
Separate storm drain;Surface water  
Beach;Separate storm drain;Surface water  
Surface water  
Separate storm drain;Surface water  
Surface water  
Building or structure;Surface water  
Unpaved surface  
Street/curb and gutter;Other (specify below)  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter;Other (specify below)  
Separate storm drain;Street/curb and gutter  
Building or structure  
Surface water  
Separate storm drain  
Street/curb and gutter;Surface water  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Surface water  
Unpaved surface  
Separate storm drain;Street/curb and gutter  
Separate storm drain  
Separate storm drain;Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Separate storm drain;Street/curb and gutter;Other (specify below)  
Separate storm drain  
Unpaved surface  
Other paved surface  
Other paved surface;Other (specify below)  
Unpaved surface  
Surface water  
Beach;Surface water  
Separate storm drain  
Beach;Separate storm drain;Surface water  
Street/curb and gutter  
Other paved surface

## 19th Ave Channel and Marina Lagoon

Spill entered 54" diameter storm drain that does not discharge to waters for a mile down the pipe. Catchbasin and some 16th Ave Channel SD plugged downstream. All recovered.

### Marina Lagoon

Catchbasin flows directly to Channel to Marina Lagoon

Entered catchbasin that flows to 19th Ave Channel which flows to the Marina Lagoon

Laurel Creek which flows into East Laurel Channel which outfalls at the South end of the Marina Lagoon

Laurel Creek which outfalls at the southern end of the Marina Lagoon

19th Ave Channel - flows to Marina Lagoon

Edgewood Creek

lawn

Bubble-Up storm drain

### Street & Bubble-Up

Reached a storm drain that was plugged downstream to capture all of spill.

### Marina Lagoon

Storm Drain Plugged Downstream. All contained.

Storm Drain plugged to capture spill, then vacuumed and cleaned.

Storm Drain plugged - spill contained

Storm drain plugged. All recovered

Storm drain plugged - all captured

in the dirt on the side of a hill

Brick retaining wall.

Sewage ran down gutter to bubble up storm drain where it was contained and recovered

Bottom of catchbasin had a 4" lip to where the pipe started - sewage never made it downstream of the catchbasin.

### Bubble-up Storm Drain

Drain grate on bridge outfalls to Marina Lagoon. Storm pumps directly underneath bridge pumps lagoon water to SF Bay  
East Laurel Creek - running through Sugarloaf open space.

Storm drain plugged. All contained and cleaned.

Patio area in back yard

12/19/2010 0:00	12/19/2010 8:30	12/19/2010 8:40	12/19/2010 15:30
12/19/2010 0:00	12/19/2010 14:44	12/19/2010 15:00	12/19/2010 15:30
12/19/2010 16:00	12/19/2010 16:00	12/19/2010 16:20	12/19/2010 16:50
12/28/2010 0:00	12/28/2010 20:40	12/28/2010 20:50	12/29/2010 3:00
12/29/2010 0:00	12/29/2010 9:35	12/29/2010 9:50	12/29/2010 10:35
12/28/2010 0:00	12/30/2010 7:00	12/30/2010 10:30	12/28/2010 23:40
2/9/2011 8:00	2/9/2011 8:05	2/9/2011 8:10	2/9/2011 8:10
2/3/2011 17:40	2/3/2011 17:40	2/3/2011 18:10	2/3/2011 17:45
2/25/2011 0:00	2/25/2011 7:50	2/25/2011 7:50	2/25/2011 7:57
2/26/2011 9:22	2/26/2011 9:22	2/26/2011 10:00	2/26/2011 10:30
2/28/2011 19:10	2/28/2011 19:10	2/28/2011 19:20	2/28/2011 19:30
3/6/2011 12:30	3/6/2011 12:36	3/6/2011 12:50	3/6/2011 13:30
3/7/2011 8:06	3/7/2011 8:06	3/7/2011 8:16	3/7/2011 8:36
3/19/2011 0:00	3/19/2011 22:30	3/19/2011 23:00	3/19/2011 23:45
3/21/2011 16:45	3/21/2011 16:45	3/21/2011 17:30	3/21/2011 17:50
3/24/2011 0:00	3/24/2011 12:32	3/24/2011 12:32	3/24/2011 22:30
3/24/2011 0:00	3/24/2011 12:15	3/24/2011 12:15	3/24/2011 22:15
3/24/2011 0:00	3/24/2011 11:30	3/24/2011 11:30	3/24/2011 15:30
3/24/2011 0:00	3/24/2011 13:30	3/24/2011 13:30	3/24/2011 15:50
3/24/2011 0:00	3/24/2011 15:30	3/24/2011 15:30	3/24/2011 18:30
3/25/2011 7:15	3/25/2011 7:30	3/25/2011 7:30	3/25/2011 8:25
3/26/2011 14:30	3/26/2011 14:30	3/26/2011 14:50	3/26/2011 15:30
3/28/2011 10:50	3/28/2011 10:50	3/28/2011 10:50	3/28/2011 11:10
3/30/2011 13:00	3/30/2011 13:08	3/30/2011 13:20	3/30/2011 13:40
3/31/2011 8:30	3/31/2011 8:40	3/31/2011 8:45	3/31/2011 9:10
4/3/2011 21:30	4/3/2011 21:30	4/3/2011 22:00	4/3/2011 22:20
4/25/2011 10:50	4/25/2011 10:54	4/25/2011 11:25	4/25/2011 11:00
6/8/2011 15:15	6/8/2011 15:20	6/8/2011 15:35	6/8/2011 15:55
7/7/2011 11:20	7/7/2011 11:22	7/7/2011 11:30	7/7/2011 12:10
7/31/2011 21:05	7/31/2011 21:11	7/31/2011 22:05	7/31/2011 22:25
8/10/2011 7:00	8/11/2011 9:25	8/11/2011 9:40	8/11/2011 10:00
9/9/2011 7:30	9/9/2011 8:15	9/9/2011 8:15	9/9/2011 11:00
9/19/2011 9:30	9/19/2011 9:37	9/19/2011 9:42	9/19/2011 9:50
10/2/2011 10:40	10/2/2011 10:48	10/2/2011 11:25	10/2/2011 12:05
10/9/2011 12:30	10/9/2011 12:30	10/9/2011 12:45	10/9/2011 1:05
10/10/2011 7:00	10/12/2011 10:06	10/12/2011 10:15	10/12/2011 10:35
10/20/2011 9:30	10/20/2011 10:22	10/20/2011 10:42	10/20/2011 10:30
10/26/2011 9:10	10/26/2011 9:30	10/26/2011 9:30	10/26/2011 9:50
11/20/2011 10:45	11/20/2011 10:45	11/20/2011 10:45	11/20/2011 15:30
11/22/2011 12:25	11/22/2011 12:30	11/22/2011 12:35	11/22/2011 12:42
12/4/2011 12:15	12/4/2011 12:25	12/4/2011 13:15	12/4/2011 15:00
12/5/2011 12:00	12/11/2011 16:40	12/11/2011 18:15	12/11/2011 19:05
1/8/2012 11:45	1/8/2012 11:50	1/8/2012 12:30	1/8/2012 12:45
1/11/2012 10:15	1/11/2012 10:18	1/11/2012 10:28	1/11/2012 10:37
1/30/2012 1:08	1/30/2012 1:15	1/30/2012 1:40	1/30/2012 1:48
2/11/2012 11:09	2/11/2012 11:30	2/11/2012 12:09	2/11/2012 13:09
2/14/2012 13:20	2/14/2012 13:28	2/14/2012 13:35	2/14/2012 14:00
2/16/2012 7:50	2/16/2012 8:20	2/16/2012 8:40	2/16/2012 9:00
3/27/2012 18:00	3/27/2012 19:04	3/27/2012 19:04	3/27/2012 19:30
4/4/2012 7:00	4/4/2012 7:25	4/4/2012 7:35	4/4/2012 7:40
4/13/2012 8:10	4/13/2012 8:22	4/13/2012 9:05	4/13/2012 9:38
4/13/2012 11:00	4/13/2012 11:00	4/13/2012 11:00	4/13/2012 11:25
4/13/2012 23:00	4/17/2012 11:00	4/17/2012 11:10	4/14/2012 0:40
5/6/2012 12:30	5/6/2012 12:40	5/6/2012 13:35	5/6/2012 14:30
5/24/2012 10:45	5/24/2012 10:48	5/24/2012 10:55	5/24/2012 12:05

Rainfall exceeded design (Separate CS Only)  
Rainfall exceeded design (Separate CS Only)  
Root intrusion  
Rainfall exceeded design (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Rainfall exceeded design (Separate CS Only)  
Debris-General  
Debris-Rags  
Rainfall exceeded design (Separate CS Only)  
Debris-Rags  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Rainfall exceeded design (Separate CS Only)  
Debris-General  
Rainfall exceeded design (Separate CS Only)  
Rainfall exceeded design (Separate CS Only)  
Rainfall exceeded design (Separate CS Only)  
Rainfall exceeded design (Separate CS Only)  
Rainfall exceeded design (Separate CS Only)  
Pipe structural problem/failure  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Other (specify below)  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Pipe structural problem/failure  
Other (specify below)  
Grease deposition (FOG)  
Debris-Rags  
Root intrusion  
Root intrusion  
Debris-General  
Rainfall exceeded design (Separate CS Only)  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Pipe structural problem/failure  
Root intrusion  
Root intrusion  
Debris-General  
Root intrusion  
Root intrusion  
Other (specify below)  
Root intrusion  
Grease deposition (FOG)  
Flow exceeded capacity (Separate CS Only)  
Grease deposition (FOG)  
Grease deposition (FOG)

Brick caused blockage inside pipe.

Solids

35gpm b/w 1:30 and 3pm. 1 gpm b/w 3 and 3:50pm.

Unknown

Bad trough in manhole - debris plugs downstream outlet.

Roots & Offset joints

Solids

Storm surge, capacity issue

Resident noticed water seepage for several days before contacting City.

Couple breaks in pipe with root intrusion.

Also FOG

Air release valve loosened somehow. Faulty valve or tampered with.

FOG and large sag in pipe.

Found patio damp around manhole upon arrival. Possibly 3 gallons seeped out over an unknown period of time.

Main



15604X\_15601X

Manhole

Air valve on temporary forcemain

18 VCP  
6 VCP  
6 VCP  
10 VCP  
6 clay  
6 VCP  
6 clay  
6 VCP  
10 VCP  
8 VCP  
6 VCP  
6 VCP  
6 clay  
10 VCP  
6 VCP  
8 VCP  
24  
8 vcp  
6 clay  
18  
6 VCP  
6 VCP  
6 VCP  
6 VCP  
6 VCP  
6 VCP  
6 VCP  
6 VCP  
8 VCP  
6 VCP  
8  
6 VCP  
6 VCP  
6 VCP  
10  
6 VCP  
6 VCP  
6 VCP  
10 VCP  
6 VCP  
6 VCP  
6 vcp  
6 VCP  
6 VCP  
6 VCP  
6 vcp  
  
6 clay  
6 VCP  
  
8 VCP  
6 VCP  
24 PVC  
8 VCP  
8 VCP

55  
62  
74  
81  
  
71  
70  
85  
65  
57  
100  
56  
76  
65  
55  
56  
  
60  
73  
11  
91  
58  
91  
56  
91  
55  
61  
90  
75  
80  
57  
71  
61  
91  
56  
57  
33  
  
81  
91  
62  
60  
69  
85  
92  
62  
  
1940  
60  
  
48  
58  
1  
57  
51



contain, relieve blockage, cleanup

Unable to restore flow due to heavy rain event. Capacity issue forwarded to Engineering for evaluation.

Removed brick.

Engineering review to alleviate storm related SSOs at this location - grade issue.

flow was restored after rain let up

Heavy Storm - I&I

Referred to engineering division for review

CCTV to verify if SSO caused by I&I or if other structural problems exist.

Referred to engineering

These pipes recently CCTV'd by contractor. Will be reviewing tapes to determine required rehabilitation needs or alterations.

Provided resident with claim package. Mailed FOG education flyers to residents along mainline.

Emergency repair of sewer main completed 9-9-2011. 10' of main replaced.

Storm drain plugged. All contained.

Removed blockage, cleaned and disinfected area. CCTV and forward video to engineering for pipe evaluation.

CCTV confirmed severe FOG. Letter and FOG education pamphlets mailed to surrounding parcels.

Contractor contacted.

Mailed FOG educational pamphlets to residences along main

No witnesses to event. Contractor for Bay Meadows development contacted City on 4-17-12 requesting clean-up of debris.

12/19/2010 12:00  
12/19/2010 16:00

12/28/2010 22:40  
12/29/2010 10:35  
12/30/2010 11:00

2/25/2011 7:35

2/28/2011 19:30  
3/6/2011 14:00

3/19/2011 23:45  
3/21/2011 18:45  
3/24/2011 14:00  
3/24/2011 22:15  
3/24/2011 15:00  
3/24/2011 17:00  
3/24/2011 19:30  
3/25/2011 9:00

8/11/2011 17:00

9/19/2011 11:00

10/12/2011 10:50

11/20/2011 15:30

2/11/2012 14:00

4/4/2012 9:00  
4/13/2012 10:00

4/17/2012 14:45

Plan rehabilitation or replacement of sewer  
Other (specify below)

Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Other (specify below)

Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program  
Other (specify below)

Plan rehabilitation or replacement of sewer  
Other (specify below)  
Other (specify below)  
Plan rehabilitation or replacement of sewer  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance

Other (specify below)

Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer

Other (specify below)

Other (specify below)  
Other (specify below)

Other (specify below)

Location with engineering for solution to surcharging

Will CCTV after storm to identify if possible blockage occurred - or determine need to improve capacity

Plan to CCTV pipe

Flyer residents along mainline with FOG prevention handouts

Line needs re-engineering to correct flow issues.

Will CCTV pipe and plan accordingly. May increase preventative maintenance if no structural defects found.

Part of engineering's Citywide I&I/Wet Wweather Capital Improvement Program

Capacity improvements are part of engineering's wet weather capital improvements program.

forwarded to engineering for review/design re-engineering

Referred to engineering for review

Referred to engineering

Emergency Repair of Manhole

Capacity solutions under engineering design

Root-foam application

Contractor notified. Contractor installed lock mechanisms on air relief valves along temporary bypass line and marked pi adjust maintenance schedule and/or repair pipe pending cctv results

Parallel trunkline planned to provide capacity. Project start: December 2013.



No  
No

No  
Yes  
No

No

No  
No

No  
No  
No  
No  
No  
No  
No  
No

No

No

No

No

No

No  
No

No

No visual impacts  
No visual impacts

No visual impacts

No visual impacts  
N/A  
N/A

No visual impact. Long storm drain pipe network to final outfall at 16th Ave Channel. Heavy rain.

Did not reach any waters  
No visual impact  
N/A

No visual impact. Long storm drain pipe network to final outfall at 16th Ave Channel. Heavy rain.

No visual impact  
No visual impacts  
No visual impacts

No visual impacts  
No visual impacts  
No visual impact  
N/A

N/A  
N/A  
N/A  
No visual impacts  
N/A

N/A

No visual impact  
N/A

N/A All Contained  
N/A

N/A

No visual impacts  
No visual impacts

No  
No

Yes  
Yes  
Yes

No

Yes  
Yes

Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
No

Yes

Yes

Yes

No

No

No  
Yes

No

Lakeshore Park and Parkside Aquatic Park  
N/A

Parkside Aquatic Beach and Lakeshore Park Beach

Parkside Aquatic & Lakeshore Park Beaches

N/A

N/A

N/A

n/a

N/A

N/A

N/A

n/a

Parkside Aquatic Beach

Aquatic Park & Lakeshore Beach

Parkside Aquatic Beach and Lakeshore Park Beach

Parkside Aquatic

Parkside Aquatic Beach and Lakeshore Park Beach

Aquatic Park & Lakeshore Beaches

n/a

N/A

N/A

N/A

N/A

Lakeshore Park Beach, Aquatic Park Beach

N/A

N/A

N/A

N/A

none

N/A

N/A

None

None. Spill at southern most end of lagoon

Lakeshore Park - Parkside Aquatic

Parkside Aquatic

19th Ave Channel & Marina Lagoon  
San Francisco Bay  
n/a  
16th Ave Channel & Marina Lagoon  
bay  
19th Ave Channel, Marina Lagoon  
N/A  
N/A  
16th Ave Channel  
n/a  
None  
16th Ave Channel & North End of Marina Lagoon by outlet to Bay  
None  
16th Ave Channel  
Marina Lagoon  
19th Ave Channel & Marina Lagoon  
19th Ave Channel & Marina Lagoon  
Laurel Creek  
Laurel Creek, East Laurel Channel & Marina Lagoon  
19th Ave Channel & Marina Lagoon  
Edgewood Creek  
N/A  
none  
none  
none  
not applicable  
n/a  
N/A  
N/A  
N/A  
Marina Lagoon  
N/A  
Kingridge Creek & Laurel Creek  
N/A  
n/a  
Laural Creek  
N/A  
None  
none  
N/A  
n/a  
N/A  
None  
none  
none  
NONE  
N/A  
  
None  
Marina Lagoon  
Laurelwood creek - Marina Lagoon  
N/A  
19th Ave Channel - Marina Lagoon  
none  
none

Biological indicator(s) - specify below  
No water quality samples taken

Biological indicator(s) - specify below  
Not applicable to this spill  
Biological indicator(s) - specify below

No water quality samples taken

No water quality samples taken  
Biological indicator(s) - specify below

No water quality samples taken  
Biological indicator(s) - specify below  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Biological indicator(s) - specify below

Biological indicator(s) - specify below

Biological indicator(s) - specify below

Biological indicator(s) - specify below

No water quality samples taken

Not applicable to this spill

Biological indicator(s) - specify below  
Biological indicator(s) - specify below

Biological indicator(s) - specify below

Total Coliform & E. coli & Enterococcus

Total Coliform, E. coli & Enterococcus

Total Coliform, E. coli & Enterococcus

Total Coliform, E. coli & Enterococcus

Total Coliform, E. coli & Enterococcus

Instructed by County Health that they would sample beaches.

San Mateo County Env. Health will be handling sampling.

County to handle water sampling

SM Co Env Health Dept. will be handling samplings for this storm event

County to take samples

Total Coliform, E.coli & Enterococcus

Total Coliform, E-coli & Enterococcus

Total Coliform, E-coli & Enterococcus

Total Coliform, E-coli and Enterococcus

E-Coli, Total Coliform & Enterococcus

E-coli, Total Coliform & Enterococcus

Total Coliform, E-coli & Enterococcus

County Health Agency  
No water quality samples taken

County Health Agency  
Not applicable to this spill  
County Health Agency

No water quality samples taken

No water quality samples taken  
County Health Agency

No water quality samples taken  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency

County Health Agency

County Health Agency

County Health Agency

No water quality samples taken

Not applicable to this spill

County Health Agency  
County Health Agency

County Health Agency



\${ssoDetails.resultsReportedExplanation}



107619	12/19/2010 10:34
107637	12/19/2010 15:22
107646	12/19/2010 17:30
107929	12/28/2010 22:45
107948	12/29/2010 10:25
107975	12/30/2010 11:15
110784	2/9/2011 8:52
110812	2/10/2011 15:00
111158	2/25/2011 9:58
111189	2/26/2011 11:20
111238	2/28/2011 20:10
111355	3/6/2011 13:55
111368	3/7/2011 8:55
111675	3/20/2011 0:02
111762	3/21/2011 18:30
111855	3/24/2011 13:10
111854	3/24/2011 13:00
111853	3/24/2011 13:00
111870	3/24/2011 14:58
111884	3/24/2011 16:45
111916	3/25/2011 9:00
111971	3/26/2011 15:30
11198	3/28/2011 11:26
112061	3/30/2011 14:02
112082	3/31/2011 9:42
112156	4/3/2011 22:45
112584	4/25/2011 12:00
113446	6/8/2011 0:00
114070	7/7/2011 12:52
114539	8/1/2011 9:30
114768	8/11/2011 10:33
115568	9/19/2011 10:27
115843	10/2/2011 12:17
116017	10/9/2011 13:45
116080	10/12/2011 11:24
116274	10/20/2011 12:58
116383	10/26/2011 10:45
116901	11/20/2011 12:10
116950	11/22/2011 13:41
117198	12/4/2011 15:25
117321	12/11/2011 19:50
120128	1/8/2012 13:40
120182	1/11/2012 11:25
120621	1/30/2012 2:00
120815	2/11/2012 13:23
120866	2/14/2012 14:15
120906	2/16/2012 9:45
121811	3/27/2012 20:00
121983	4/4/2012 9:42
122193	4/13/2012 10:40
122198	4/13/2012 12:45
122298	4/18/2012 9:40
122702	5/6/2012 15:00
123073	5/24/2012 13:15



2SSO10183	Active	781656 Sarah Parrish	Certified
2SSO10183	Active	785023 Sarah Parrish	Certified
2SSO10183	Active	785135 Sarah Parrish	Certified
2SSO10183	Active	785256 Sarah Parrish	Certified
2SSO10183	Active	785537 Sarah Parrish	Certified
2SSO10183	Active	786139 Sarah Parrish	Certified
2SSO10183	Active	788363 Sarah Parrish	Certified
2SSO10183	Active	788364 Sarah Parrish	Certified
2SSO10183	Active	788365 Sarah Parrish	Certified
2SSO10183	Active	788366 Sarah Parrish	Certified
2SSO10183	Active	788673 Bob Correa	Certified
2SSO10183	Active	788676 Bob Correa	Certified
2SSO10183	Active	788679 Bob Correa	Certified
2SSO10183	Active	788686 Bob Correa	Certified
2SSO10183	Active	789333 Bob Correa	Certified
2SSO10183	Active	789335 Bob Correa	Certified
2SSO10183	Active	789350 Bob Correa	Certified
2SSO10183	Active	789353 Bob Correa	Certified
2SSO10183	Active	789356 Bob Correa	Certified
2SSO10183	Active	789362 Bob Correa	Certified
2SSO10183	Active	789371 Bob Correa	Certified
2SSO10183	Active	789375 Bob Correa	Certified
2SSO10183	Active	789414 Bob Correa	Certified
2SSO10183	Active	789474 Bob Correa	Certified
2SSO10183	Active	789941 Bob Correa	Certified
2SSO10183	Active	791396 Bob Correa	Certified
2SSO10183	Active	792749 Bob Correa	Certified
2SSO10183	Active	793088 Bob Correa	Certified
2SSO10183	Active	793538 Bob Correa	Certified
2SSO10183	Active	794273 Bob Correa	Certified
2SSO10183	Active	794740 Bob Correa	Certified
2SSO10183	Active	794835 Bob Correa	Certified
2SSO10183	Active	795770 Bob Correa	Certified
2SSO10183	Active	796133 Bob Correa	Certified
2SSO10183	Active	797061 Bob Correa	Certified
2SSO10183	Active	797866 Bob Correa	Certified
2SSO10183	Active	797877 Bob Correa	Certified
2SSO10183	Active	798561 Bob Correa	Certified
2SSO10183	Active	798672 Bob Correa	Certified
2SSO10183	Active	799482 Bob Correa	Certified
2SSO10183	Active	799716 Bob Correa	Certified
2SSO10183	Active	799947 Bob Correa	Certified
2SSO10183	Active	800174	Submit Draft
2SSO10184	Active	650458 Doris Toy	Certified
2SSO10184	Active	650683 Doris Toy	Certified
2SSO10184	Active	650691 Doris Toy	Certified
2SSO10184	Active	650840 Doris Toy	Certified
2SSO10184	Active	651023 Doris Toy	Certified
2SSO10184	Active	651024 Doris Toy	Certified
2SSO10184	Active	651838 Doris Toy	Certified
2SSO10184	Active	651845 Doris Toy	Certified
2SSO10184	Active	653997 Doris Toy	Certified
2SSO10184	Active	654243 Doris Toy	Certified
2SSO10184	Active	654244 Doris Toy	Certified
2SSO10184	Active	654535 Doris Toy	Certified

[illegible][illegible]

City of San Mateo 9:48am	167428
City of San Mateo 10:30am	724405
City of San Mateo 10:41am	294230
City of San Mateo 12:51pm	502675
City of San Mateo 2:07pm	571080
City of San Mateo 3:36pm	944678
City of San Mateo 8:18pm	340877
City of San Mateo 8:37pm	376218
City of San Mateo 8:53pm	596017
City of San Mateo 9:03pm	618408
City of San Mateo	170737
City of San Mateo	241758
San Mateo	580807
City of San Mateo	295102
City of San Mateo	946868
City of San Mateo	416655
City of San Mateo	225430
City of San Mateo	678240
City of San Mateo	266676
City of San Mateo	121369
City of San Mateo	832475
City of San Mateo	755415
City of San Mateo	466345
City of San Mateo	647673
City of San Mateo	670360
City of San Mateo	733271
City of San Mateo	259703
City of San Mateo	664760
City of San Mateo	684574
City of San Mateo	919489
City of San Mateo	521456
City of San Mateo	396405
City of San Mateo	265380
City of San Mateo	192544
City of San Mateo	841680
City of San Mateo	888532
City of San Mateo	685979
City of San Mateo	696766
City of San Mateo	579197
City of San Mateo	777345
City of San Mateo	187830
City of San Mateo	279847
San Rafael	109535
San Rafael	110554
San Rafael	405425
San Rafael	519384
San Rafael	755126
San Rafael	640906
San Rafael	871974
San Rafael	460813
San Rafael	673534
San Rafael	976787
San Rafael	284886
San Rafael	372307

27-May-12	5/27/2012	29-May-12	5/29/2012
12-Aug-12	8/12/2012	27-Aug-12	8/27/2012
14-Aug-12	8/14/2012	27-Aug-12	8/27/2012
17-Aug-12	8/17/2012	12-Sep-12	9/12/2012
24-Aug-12	9/12/2012	13-Sep-12	9/13/2012
12-Sep-12	9/12/2012	14-Sep-12	9/14/2012
26-Nov-12	11/26/2012	26-Nov-12	11/26/2012
26-Nov-12	11/26/2012	26-Nov-12	11/26/2012
26-Nov-12	11/26/2012	26-Nov-12	11/26/2012
26-Nov-12	11/26/2012	26-Nov-12	11/26/2012
3-Dec-12	12/18/2012	18-Dec-12	12/18/2012
3-Dec-12	12/3/2012	18-Dec-12	12/18/2012
3-Dec-12	12/18/2012	18-Dec-12	12/18/2012
3-Dec-12	12/3/2012	18-Dec-12	12/18/2012
24-Dec-12	12/24/2012	9-Jan-13	1/9/2013
24-Dec-12	12/24/2012	26-Dec-12	12/26/2012
24-Dec-12	12/26/2012	26-Dec-12	12/26/2012
24-Dec-12	12/24/2012	26-Dec-12	12/26/2012
24-Dec-12	12/24/2012	26-Dec-12	12/26/2012
24-Dec-12	12/24/2012	9-Jan-13	1/9/2013
24-Dec-12	12/24/2012	26-Dec-12	12/26/2012
24-Dec-12	12/24/2012	26-Dec-12	12/26/2012
26-Dec-12	12/31/2012	31-Dec-12	12/31/2012
27-Dec-12	12/27/2012	31-Dec-12	12/31/2012
8-Jan-13	1/9/2013	9-Jan-13	1/9/2013
7-Feb-13	2/26/2013	11-Mar-13	3/11/2013
19-Mar-13	3/19/2013	1-May-13	5/1/2013
1-Apr-13	4/1/2013	1-Apr-13	4/1/2013
21-Apr-13	4/21/2013	25-Apr-13	4/25/2013
17-May-13	5/17/2013	4-Oct-13	10/4/2013
4-Jun-13	6/4/2013	15-Aug-13	8/15/2013
6-Jun-13	6/6/2013	4-Oct-13	10/4/2013
19-Jun-13	6/19/2013	13-Aug-13	8/13/2013
26-Jun-13	6/26/2013	13-Aug-13	8/13/2013
21-Jul-13	7/21/2013	5-Sep-13	9/5/2013
14-Aug-13	8/14/2013	15-Aug-13	8/15/2013
15-Aug-13	10/3/2013	3-Oct-13	10/3/2013
8-Sep-13	9/8/2013	11-Sep-13	9/11/2013
11-Sep-13	9/11/2013	11-Sep-13	9/11/2013
7-Oct-13	10/7/2013	7-Oct-13	10/7/2013
12-Oct-13	10/14/2013	14-Oct-13	10/14/2013
19-Oct-13	10/21/2013	21-Oct-13	10/21/2013
24-Oct-13	10/24/2013		
14-May-07		13-Jun-07	6/13/2007
18-May-07		13-Jun-07	6/13/2007
18-May-07		13-Jun-07	6/13/2007
23-May-07		24-May-07	5/24/2007
29-May-07		13-Jun-07	6/13/2007
29-May-07		14-Jun-07	6/14/2007
13-Jun-07		14-Jun-07	6/14/2007
13-Jun-07		14-Jun-07	6/14/2007
11-Jul-07		11-Jul-07	7/11/2007
17-Jul-07		21-Sep-07	9/21/2007
17-Jul-07		21-Sep-07	9/21/2007
23-Jul-07		21-Sep-07	9/21/2007



Category 3		49	49
Category 3		16	16
Category 3		45	45
Category 3		5	5
Category 3		50	50
Category 3		146	146
Category 3		540	540
Category 3		35	10
Category 3		425	425
Category 3		300	300
Category 1		66000	1800
Category 1		39000	39000
Category 1		192000	6000
Category 1		210001	1000
Category 1		1000	0
Category 1		9375	0
Category 1		6375	0
Category 1		189000	0
Category 1		12375	0
Category 1		57000	0
Category 1		4125	0
Category 1		4350	0
Category 3		900	900
Category 1		750	0
Category 3		175	175
Category 2		3600	3600
Category 3		75	75
Category 1		18	9
Category 2			
Category 3		1	1
Category 3		12	12
Category 3		25	25
Category 3		5	5
Category 3		13	0
Category 3		475	0
Category 1		200	100
Category 3	0	375	375
Category 3		375	0
Category 3	0	20	20
Category 1	0	950	500
Category 3	100	100	100
Category 1	0	600	0
Category 3	675	675	675
Category 3		5	
Category 3		15	
Category 3		200	200
Category 3		100	
Category 3		10	0
Category 3		2	
Category 3		25	
Category 3		125	
Category 3		20	
Category 3		10	
Category 3		100	
Category 3		75	

0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	Yes
0 No	Yes
64200 No	No
39000 Yes	Yes
186000 Yes	Yes
209000 Yes	Yes
1000 Yes	Yes
9375 Yes	Yes
6375 Yes	Yes
189000 Yes	Yes
12375 Yes	Yes
57000 Yes	Yes
4125 Yes	Yes
4350 Yes	Yes
0 No	Yes
750 Yes	Yes
0 No	No
0 No	No
0 No	No
9 Yes	No
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
100 Yes	No
0 No	No
0 No	No
0 No	Yes
450 Yes	Yes
0 No	No
600 Yes	No
0 No	No
No	No
No	No
No	No
No	No
No	No
No	No
No	No
No	No
No	No
No	No

[illegible]

#6 Fair Oaks Ct  
834 Viewridge  
833 Viewridge  
1501 Hillsdale Blvd  
228 West 24th Ave  
Bettina & Newlands  
430 Peninsula  
809 Bromfield  
541 29th Ave  
235 W Poplar  
2051 south norfolk  
2051 south norfolk  
delaware  
delaware  
29th & juniper  
saratoga & delaware  
631 edinburgh  
25th / delaware  
hillsdale/ norfolk  
2051 s norfolk  
2634 edison  
3718 s el camino  
1025 patricia  
36th Ave and Southwood  
Louise Ln and Edison  
1700 Coyote Point Dr., San Mateo, Ca.  
154 10 th Ave basement  
735 Dalehurst

575:12:00

3367 Los Prados  
70 29th ave  
42nd ave  
31st and Alameda  
43rd/Beresford  
1607 Church  
dalehurst trashrack  
541 29th ave  
230 west 42nd  
2555 Flores  
220 37th ave  
233 Sonora  
3800 CURTISS  
245W. Poplar  
15 Inverness Drive  
1100 3rd street  
Peacock Gap Gold Course  
16 Knoll Rd  
Longwood Drive  
Bellevue ave  
46 Alexander Ave  
Miramar Ave  
Chula Vista  
Twin Oaks easement  
Twin Oaks Avenue  
Grand Ave

37.53353269	-122.2983701 San Mateo
37.526724	-122.30803 San Mateo
37.52672455	-122.3080308 San Mateo
37.53219	-122.305962 San Mateo
37.54376177	-122.3167196 San Mateo
37.523325	-122.306169 San Mateo
37.579003	-122.336572 San Mateo
37.564525	-122.32607 San Mateo
37.535419	-122.311836 San Mateo
37.566376	-122.342052 San Mateo
37.55339909	-122.2999432 San Mateo
37.55339909	-122.2999432 San Mateo
37.54513203	-122.3307212 San Mateo
37.5451132	-122.3307212 San Mateo
37.53730591	-122.3261253 San Mateo
37.54849148	-122.28515 San Mateo
37.55659358	-122.3219917 San Mateo
37.54515203	-122.3307212 San Mateo
37.54585294	-122.3063731 San Mateo
37.55339909	-122.2999432 San Mateo
37.54326831	-122.3008993 San Mateo
37.53407294	-122.3063583 San Mateo
37.56600499	-122.3058407 San Mateo
37.529307	-122.300135 San Mateo
37.535486	-122.28884 San Mateo
37.5860812	-122.3277394 San Mateo
37.558254	-122.317092 San Mateo
37.525328	-122.286989 San Mateo
37.52725231	-122.3236897 San Mateo
37.539043	-122.315262 San Mateo
37.5395162	-122.3232912 San Mateo
37.5272523	-122.32368 San Mateo
37.53451	-122.3219253 San Mateo
37.5288671	-122.314919 San Mateo
37.56496	-122.33406 San Mateo
37.52681	-122.30957 San Mateo
37.5357069	-122.3205293 San Mateo
37.5274	-122.31305 San Mateo
37.5433856	-122.3034882 San Mateo
37.5329774	-122.3016 San Mateo
37.55640049	-122.3216519 San Mateo
37.53597978	-122.3066442 San Mateo
37.5660049	-122.29735 San Mateo
37.97914079	-122.4904413 Marin
37.97215902	-122.5283698 Marin
37.99391665	-122.4642286 Marin
37.96795639	-122.5390685 Marin
37.98317689	-122.5520808 Marin
37.97242765	-122.4902449 Marin
37.97639801	-122.5475627 Marin
37.9712729	-122.5368118 Marin
37.98614286	-122.5313748 Marin
37.98206721	-122.5344992 Marin
37.98043672	-122.5360882 Marin
37.97098441	-122.5187818 Marin

[illegible]

Overflow from Gravity sewer at Manhole# 532-01X

MH# 532-06X in easement. Starting manhole on steep hill in wooded area.

MH# 403-48X

Contractor working the 24th Ave Relief Line Project left a 3 flow through plug in an 8 line overnight on Thursday August

MH # 574-21X in the intersection of Bettina & Newlands

Cleanout in front cement driveway overflowed.

Private Lateral Cleanout near street overflowed due to plug in mainline.

Overflow from sewer manhole in the intersection of 36th Ave. and Southwood.

manhole # 11902 overflowed

Basement of house

Sewage overflowed from a manhole due to a plugged main caused by roots

backyard

1 gallon overflow from manhole into curb. Overflow stopped prior to crew arrival.

Backyard

Seepinping from manhole

Inside and underneath house

Wildland canyon between neighborhoods

Sewage overflowed for a c/o at 541 29th ave, due to a plugged main caused by roots

Manhole

Bathroom inside a house out of garage and into bubble up storm drain

23rd. Pump stopped working. Wastew:

1

1

1

1

2

1



Building or structure  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other (specify)  
Other (specify)  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Manhole  
Gravity sewer  
Manhole  
Building or structure  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer  
Gravity sewer;Manhole  
Building or structure  
Manhole  
Upper Lateral (Private)  
Gravity sewer  
Gravity Mainline  
Gravity Mainline  
Inside Building or Structure  
Gravity Mainline  
Manhole  
Gravity sewer  
Gravity sewer  
Force main or pressure sewer  
Manhole  
Gravity sewer  
Manhole  
Gravity sewer  
Gravity sewer  
Manhole  
Gravity sewer  
Manhole  
Gravity sewer

Shower

MH #403-48X

MH# 429-03X

MH # 574-21X

Spill out of Manhole #137-03X

MH# 154-01X

Lateral Cleanout overflowed due to plug in mainline.

Cleanout on private lateral

Open pipe under house was the initial point and then extended under into the 2 bathroom's

c/o at 541 29th ave

n/a

Clean out and Sink

n/a

Clean out

Building or structure  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Other (specify below)  
Separate storm drain  
Separate storm drain  
Unpaved surface  
Separate storm drain  
Separate storm drain  
Separate storm drain;Street/curb and gutter  
Other (specify below)  
Other (specify below)  
Surface water  
Separate storm drain  
Other (specify below)  
Separate storm drain  
Other (specify below)  
Other (specify below)  
Street/curb and gutter  
Other (specify below)  
Surface water  
Street/curb and gutter  
Beach;Surface water  
Street/curb and gutter  
Building or structure  
Building or structure  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Other (specify below)  
Building or structure  
Surface water  
Paved Surface  
Unpaved surface  
Street/Curb and Gutter  
Separate Storm Drain;Street/Curb and Gutter  
Separate Storm Drain  
Combined Storm Drain (Combined CS only)  
Street/Curb and Gutter  
Unpaved surface  
Storm drain  
Other (specify below)  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter

bathroom

Bubble-Up Storm Drain

Spill entered catchbasin that carries flow down the hill. Stormdrain was plugged downstream. Storm drain thoroughly cleaned. Storm drain plugged downstream. All recovered & SD cleaned.

Soil & ivy

Spill captured in Storm Drain. All cleaned.

Bubble-up Storm drain contained spill. All cleaned.

19th channel

19th ave channel

19th ave channel

19th ave

19th ave

19th ave channel

san mateo lagoon

san mateo lagoon

19th ave channel

laural creek

street curb gutter then into Dalehurst creek

contained in bubble up storm drain and vacuumed out

Overflowing manhole flowed down curb and gutter to a bubble up storm drain system and was fully recovered

Spill contained in construction trench.

5/26/2012 18:40	5/26/2012 18:43	5/26/2012 19:25	5/26/2012 19:45
8/12/2012 17:40	8/12/2012 17:53	8/12/2012 18:25	8/12/2012 18:00
8/14/2012 12:00	8/14/2012 12:26	8/14/2012 12:35	8/14/2012 1:30
8/17/2012 18:30	8/17/2012 19:28	8/17/2012 20:10	8/17/2012 18:50
8/24/2012 8:50	8/24/2012 8:50	8/24/2012 8:50	8/24/2012 8:55
9/12/2012 8:57	9/12/2012 10:57	9/12/2012 11:15	9/12/2012 11:23
10/6/2012 9:15	10/6/2012 10:26	10/6/2012 10:40	10/6/2012 11:03
10/11/2012 12:00	10/11/2012 12:15	10/11/2012 13:00	10/11/2012 13:10
10/13/2012 9:00	10/13/2012 9:24	10/13/2012 10:05	10/13/2012 10:25
10/28/2012 18:30	10/28/2012 18:38	10/28/2012 19:05	10/28/2012 19:30
12/2/2012 7:30	12/2/2012 7:30	12/2/2012 8:00	12/2/2012 1:00
11/30/2012 11:30	11/30/2012 11:30	11/30/2012 12:15	11/30/2012 2:45
11/30/2012 9:00	11/30/2012 9:00	11/30/2012 9:00	11/30/2012 5:01
12/2/2012 7:00	12/2/2012 8:25	12/2/2012 9:15	12/2/2012 2:00
12/23/2012 6:20	12/23/2012 6:20	12/23/2012 6:20	12/23/2012 7:00
12/23/2012 5:01	12/23/2012 5:00	12/23/2012 5:00	12/23/2012 7:25
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1/8/2013 11:00	1/8/2013 11:00	1/8/2013 11:20	1/8/2013 11:35
2/1/2013 11:05	2/7/2013 11:10	2/7/2013 11:20	2/7/2013 11:30
3/19/2013 14:30	3/19/2013 14:50	3/19/2013 15:05	3/19/2013 15:20
4/1/2013 9:30	4/1/2013 9:30	4/1/2013 9:45	4/1/2013 10:05
4/21/2013 13:30	4/21/2013 14:20	4/21/2013 15:20	4/21/2013 16:00
5/17/2013 18:35	5/17/2013 18:35	5/17/2013 19:15	5/17/2013 19:15
6/4/2013 9:40	6/4/2013 9:40	6/4/2013 9:50	6/4/2013 10:05
4/21/2013 13:30	4/21/2013 14:20	4/21/2013 15:20	4/21/2013 16:20
6/19/2013 7:30	6/19/2013 7:30	6/19/2013 7:41	6/19/2013 7:50
6/26/2013 7:10	6/26/2013 7:10	6/26/2013 7:15	6/26/2013 7:27
7/21/2013 8:30	7/21/2013 9:25	7/21/2013 10:10	7/21/2013 13:00
8/14/2013 13:30	8/14/2013 13:30	8/14/2013 13:40	8/14/2013 14:30
8/15/2013 8:15	8/15/2013 8:15	8/15/2013 8:20	8/15/2013 8:30
9/8/2013 10:45	9/8/2013 10:45	9/8/2013 11:20	9/8/2013 12:00
9/10/2013 13:35	9/10/2013 13:35	9/10/2013 13:45	9/10/2013 13:55
10/7/2013 10:10	10/7/2013 10:10	10/7/2013 10:16	10/7/2013 10:29
10/12/2013 9:50	10/12/2013 10:00	10/12/2013 10:50	10/12/2013 11:10
10/19/2013 11:00	10/19/2013 12:00	10/19/2013 12:50	10/19/2013 1:00
10/24/2013 7:16	10/24/2013 7:16	10/24/2013 7:29	10/24/2013 7:43
5/3/2007 8:30	5/3/2007 10:30	5/3/2007 10:35	5/3/2007 10:45
5/8/2007 8:00	5/8/2007 8:00	5/8/2007 8:15	5/8/2007 8:20
5/16/2007 10:00	5/16/2007 10:10	5/16/2007 10:30	5/16/2007 10:30
5/23/2007 8:45	5/23/2007 8:50	5/23/2007 9:10	5/23/2007 9:20
5/24/2007 9:10	5/24/2007 9:15	5/24/2007 9:40	5/24/2007 10:50
5/24/2007 15:20	5/24/2007 15:20	5/24/2007 15:30	5/24/2007 15:40
5/27/2007 11:00	5/28/2007 18:55	5/27/2007 11:15	5/27/2007 12:45
6/13/2007 8:00	6/13/2007 8:45	6/13/2007 9:00	6/13/2007 9:15
7/11/2007 10:00	7/11/2007 10:00	7/11/2007 10:10	7/11/2007 10:20
7/14/2007 11:30	7/14/2007 11:39	7/14/2007 12:15	7/14/2007 12:30
7/15/2007 8:30	7/15/2007 10:00	7/15/2007 10:30	7/15/2007 12:15
7/19/2007 8:15	7/19/2007 8:20	7/19/2007 8:30	7/19/2007 8:40

Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Other (specify below)  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Other (specify below)  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Root intrusion  
Grease Deposition (FOG)  
Grease Deposition (FOG)  
Grease Deposition (FOG)  
Grease Deposition (FOG)  
Root Intrusion  
Root intrusion  
Debris  
Other (specify below)  
Root intrusion  
Root intrusion  
Root intrusion  
Debris  
Debris  
Root intrusion  
Root intrusion  
Debris  
Grease deposition (FOG)

Ranger Pipeline pump failure with plug during construction project.

FOG and Rags

solids

Contractor for Peacock Gap Golf Course hit the pipeline while digging a trench for a fairway rehabilitation. The backhoe c





king. The spill was contained in the trench and was vactored up and returned to the system.

6 VCP  
6 VCP  
6 VCP  
8 VCP  
6 VCP  
6 VCP  
6 VCP  
6  
6 VCP  
6 VCP  
8 clay  
8 clay  
18 clay  
18 clay  
6 clay  
4 clay  
6 clay  
24 clay  
12 clay  
8 clay  
8 clay  
10 clay  
10 clay  
6 clay

6 vcp

6 vcp  
8 clay

No

4 vcp

No

No

No

6 vcp

No

No

6 vcp

55  
51  
51  
42  
80  
54  
91  
28  
71  
92  
1955  
1955  
1945  
1945  
1950  
  
1930  
  
1959  
  
1940  
  
1950  
64  
  
91  
  
70  
52  
  
  
  
50  
  
  
840

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re  
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re  
Cleaned-up (mitigated effects of spill)  
Restored flow  
Cleaned-up (mitigated effects of spill)  
Contained all or portion of spill;Returned all or portion of spill to sanitary sewer system  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Restored flow  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill);Restored flow  
Restored flow  
Returned all or portion of spill to sanitary sewer system  
Restored flow  
Returned all or portion of spill to sanitary sewer system  
Restored flow  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit  
Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system  
Contained all or portion of spill  
Restored flow;Returned all or portion of spill to sanitary sewer system  
Contained all or portion of spill;Restored flow  
Restored flow  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit  
  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow  
  
Contained all or portion of spill;Restored flow;Returned Portion of Spill to Sanitary Sewer System  
  
Cleaned-Up  
  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)  
Cleaned-up (mitigated effects of spill)

Call came in to Dispatch at 6:46. Dispatch could not reach crews until 7:28. Spill had ended prior to crews arrival at site.

12/3/2012 9:15  
12/3/2012 9:15  
12/3/2012 10:25  
12/3/2012 10:15  
12/23/2012 8:00  
12/23/2012 9:15  
12/23/2012 8:25  
12/23/2012 11:05  
12/23/2012 8:15  
12/24/2012 8:00  
12/23/2012 8:15  
12/23/2012 8:30

12/27/2012 10:00

2/7/2013 12:30

4/1/2013 11:00

8/14/2013 16:30

10/7/2013 11:00

10/19/2013 0:00

Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Added sewer to preventive maintenance program  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer

Other (specify below)

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program

Inspected Sewer Using CCTV to Determine Cause

Added sewer to preventive maintenance program

Action still TBA



Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes

Yes

Yes

Yes

Yes

Yes

Video

No



Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
No  
Yes  
No  
Yes  
No  
No

Yes

No

Yes

No

No

No

No

No

parkside aq, lakeshore beach  
19th ave channel, lakeshore beach  
parkside aq.lakeshore  
parkside aq. lakeshore beach

parkside aq. & lakeshore  
lake shore  
lakeshore

lake shore

n/a

N/A

none  
N/A  
N/A  
none  
N/A  
n/a  
n/a  
N/A  
N/A  
N/A  
san mateo lagoon  
san mateo lagoon  
marina lagoon  
san mateo lagoon  
laural creek  
19th ave channel  
16th ave channel  
19th ave channel  
san mateo lagoon  
san mateolagoon  
19th ave channel  
laurel creek

Laurelwood creek

none  
Dalehurst creek

none  
none  
none  
none  
none  
None  
laurel creek

n/a

Not applicable to this spill

Dissolved oxygen

Dissolved oxygen

Dissolved oxygen

Dissolved oxygen

Dissolved oxygen

Other chemical indicator(s) - specify below

Dissolved oxygen

Dissolved oxygen

Dissolved oxygen

Dissolved oxygen

Dissolved oxygen

No water quality samples taken

Dissolved oxygen

Dissolved oxygen

Other chemical indicator(s) - specify below; Biological indicator(s) - specify below

No water quality samples taken

No water quality samples taken

dissolved oxygen

other chemical indicators

Total Coliform E. Coli Enterococcus

Regional Water Quality Control Board  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency  
County Health Agency

No water quality samples taken

County Health Agency

County Health Agency

County Health Agency

No water quality samples taken

Regional Water Quality Control Board





Used SSCSC manhole overflow gauge  
time versus estimated flow  
Visual  
Use of aSSCS manholeoverflow gauge

123116	5/26/2012 20:45
124746	8/12/2012 19:15
124792	8/14/2012 1:00
124895	8/17/2012 20:50
125045	8/24/2012 12:45

126182	10/13/2012 11:25
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127332	12/2/2012 3:00
127359	12/2/2012 8:30
127365	11/30/2012 11:16
127303	12/2/2012 3:00
127854	12/23/2012 6:50
127860	12/23/2012 7:15
127857	12/23/2012 7:20
127586	12/23/2012 7:15
127861	12/23/2012 7:15
127858	12/23/2012 6:14
127855	12/23/2012 7:15
127859	12/23/2012 7:15
127887	12/24/2012 5:00
127942	12/27/2012 10:55
130158	1/8/2013 12:36
130815	
131680	3/19/2013 16:00
131952	4/1/2013 13:20
132378	4/21/2013 16:40
133009	5/17/2013 20:07
133386	
132378	4/21/2013 16:40
133722	6/19/2013 9:36
133890	
134478	7/21/2013 11:30
135021	8/14/2013 15:15

135635	9/8/2013 1:15
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136254	10/7/2013 11:00
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Steve Camilleri

6505227354

Steve Camilleri

6508238325

Kevien

6505227354

steve camelleri

6505227354

Steve Camilleri

6508238325

Steve Camilleri

6.50523E+13

2SSO10184	Active	654538 Doris Toy	Certified
2SSO10184	Active	654904 Doris Toy	Certified
2SSO10184	Active	654907 Doris Toy	Certified
2SSO10184	Active	655730 Doris Toy	Certified
2SSO10184	Active	656085 Doris Toy	Certified
2SSO10184	Active	656239 Doris Toy	Certified
2SSO10184	Active	656384 Doris Toy	Certified
2SSO10184	Active	656786 Doris Toy	Certified
2SSO10184	Active	657823 Doris Toy	Certified
2SSO10184	Active	657824 Doris Toy	Certified
2SSO10184	Active	657825 Doris	Certified
2SSO10184	Active	657826 Doris Toy	Certified
2SSO10184	Active	658105 Doris Toy	Certified
2SSO10184	Active	658106 Doris Toy	Certified
2SSO10184	Active	658109 Doris Toy	Certified
2SSO10184	Active	704821 Doris Toy	Certified
2SSO10184	Active	704823 Doris Toy	Certified
2SSO10184	Active	704824 Doris Toy	Certified
2SSO10184	Active	704825 Doris Toy	Certified
2SSO10184	Active	704828 Doris Toy	Certified
2SSO10184	Active	706223 Doris Toy	Certified
2SSO10184	Active	706226 Doris Toy	Certified
2SSO10184	Active	706229 Doris Toy	Certified
2SSO10184	Active	706491 Doris Toy	Certified
2SSO10184	Active	707017 Doris Toy	Certified
2SSO10184	Active	707018 Doris Toy	Certified
2SSO10184	Active	707727 Doris Toy	Certified
2SSO10184	Active	707728 Doris Toy	Certified
2SSO10184	Active	707732 Doris Toy	Certified
2SSO10184	Active	708732 Doris Toy	Certified
2SSO10184	Active	708734 Doris Toy	Certified
2SSO10184	Active	708973 Doris Toy	Certified
2SSO10184	Active	709494 Doris Toy	Certified
2SSO10184	Active	709496 Doris Toy	Certified
2SSO10184	Active	710511 Doris Toy	Certified
2SSO10184	Active	710512 Doris Toy	Certified
2SSO10184	Active	711332 Doris Toy	Certified
2SSO10184	Active	711339 Doris Toy	Certified
2SSO10184	Active	711382 Doris Toy	Certified
2SSO10184	Active	712124 Doris Toy	Certified
2SSO10184	Active	712127 Doris Toy	Certified
2SSO10184	Active	712241 Doris Toy	Certified
2SSO10184	Active	712247 Doris Toy	Certified
2SSO10184	Active	712312 Doris Toy	Certified
2SSO10184	Active	712489 Doris Toy	Certified
2SSO10184	Active	713037 Doris Toy	Certified
2SSO10184	Active	713311 Doris Toy	Certified
2SSO10184	Active	713804 Doris Toy	Certified
2SSO10184	Active	713808 Doris Toy	Certified
2SSO10184	Active	714448 Doris Toy	Certified
2SSO10184	Active	714836 Doris Toy	Certified
2SSO10184	Active	715259 Doris Toy	Certified
2SSO10184	Active	715632 Doris Toy	Certified
2SSO10184	Active	715634 Doris Toy	Certified
2SSO10184	Active	715909 Doris Toy	Certified

[illegible]

San Rafael	155980
San Rafael	127717
San Rafael	178306
San Rafael	627616
San Rafael	150270
San Rafael	573919
San Rafael	734437
City of San Rafael	563764
San Rafael	787175
San Rafael	496732
San Rafael	632430
San Rafael	216688
San Rafael	519119
San Rafael	742117
San Rafael	451678
San Rafael	962691
San Rafael	749360
San Rafael	680892
San Rafael	170042
San Rafael	892906
SRSD	580426
San Rafael Sanitation District	815478
San Rafael Sanitation District	233736
San Rafael Sanitation District	437132
San Rafael Sanitation District	469677
San Rafael	669912
San Rafael Sanitation District	932838
San Rafael Sanitation District	799713
San Rafael Sanitation District	684787
SRSD	679245
SRSD	735595
SRSD	558786
San Rafael	500179
SRSD	254209
SRSD	611302
SRSD	670657
SRSD	163689
SRSD	109487
SRSD	420619
SRSD	918179
SRSD	872501
SRSD	790535
SRSD	477419
SRSD	907789
SRSD	475546
SRSD	954408
SRSD	959793
SRSD	202911
SRSD	842593
SRSD	113523
SRSD	290341
SRSD	102639
SRSD	209521
SRSD	846005
SRSD	870962

23-Jul-07	21-Sep-07	9/21/2007
30-Jul-07	21-Sep-07	9/21/2007
30-Jul-07	21-Sep-07	9/21/2007
14-Aug-07	21-Sep-07	9/21/2007
21-Aug-07	21-Sep-07	9/21/2007
24-Aug-07	21-Sep-07	9/21/2007
28-Aug-07	21-Sep-07	9/21/2007
4-Sep-07	4-Sep-07	9/4/2007
21-Sep-07	21-Sep-07	9/21/2007
21-Sep-07	21-Sep-07	9/21/2007
21-Sep-07	21-Sep-07	9/21/2007
21-Sep-07	21-Sep-07	9/21/2007
27-Sep-07	10-Oct-07	10/10/2007
27-Sep-07	10-Oct-07	10/10/2007
27-Sep-07	10-Oct-07	10/10/2007
9-Oct-07	10-Oct-07	10/10/2007
9-Oct-07	10-Oct-07	10/10/2007
9-Oct-07	10-Oct-07	10/10/2007
9-Oct-07	10-Oct-07	10/10/2007
9-Oct-07	10-Oct-07	10/10/2007
24-Oct-07	16-Nov-07	11/16/2007
24-Oct-07	16-Nov-07	11/16/2007
24-Oct-07	16-Nov-07	11/16/2007
25-Oct-07	16-Nov-07	11/16/2007
1-Nov-07	16-Nov-07	11/16/2007
1-Nov-07	16-Nov-07	11/16/2007
15-Nov-07	16-Nov-07	11/16/2007
15-Nov-07	16-Nov-07	11/16/2007
15-Nov-07	16-Nov-07	11/16/2007
5-Dec-07	28-Dec-07	12/28/2007
5-Dec-07	28-Dec-07	12/28/2007
11-Dec-07	28-Dec-07	12/28/2007
14-Dec-07	20-Dec-10	2/8/2011
14-Dec-07	28-Dec-07	12/28/2007
28-Dec-07	28-Dec-07	12/28/2007
28-Dec-07	28-Dec-07	12/28/2007
17-Jan-08	11-Feb-08	2/11/2008
17-Jan-08	11-Feb-08	2/11/2008
17-Jan-08	11-Feb-08	2/11/2008
31-Jan-08	11-Feb-08	2/11/2008
31-Jan-08	11-Feb-08	2/11/2008
4-Feb-08	11-Feb-08	2/11/2008
4-Feb-08	11-Feb-08	2/11/2008
4-Feb-08	11-Feb-08	2/11/2008
6-Feb-08	11-Feb-08	2/11/2008
19-Feb-08	20-Feb-08	2/20/2008
21-Feb-08	21-Feb-08	2/21/2008
25-Feb-08	9-Apr-08	4/9/2008
25-Feb-08	25-Feb-08	2/25/2008
4-Mar-08	9-Apr-08	4/9/2008
13-Mar-08	9-Apr-08	4/14/2008
25-Mar-08	24-Apr-08	4/24/2008
1-Apr-08	9-Apr-08	4/9/2008
1-Apr-08	9-Apr-08	4/9/2008
8-Apr-08	9-Apr-08	4/9/2008



Category 3	50	
Category 3	500	
Category 3	25	
Category 3	20	0
Category 3	50	0
Category 3	20	0
Category 3	150	0
Category 3	5	0
Category 3	50	
Category 3	75	
Category 3	2	
Category 3	20	
Category 3	20	
Category 3	800	
Category 3	5	
Category 3	50	
Category 3	400	
Category 3	80	
Category 3	2	
Category 3	2	
Category 3	20	
Category 3	100	
Category 3	10	
Category 3	200	
Category 3	350	
Category 3	100	
Category 3	50	
Category 3	5	
Category 3	45	
Category 3	5	
Category 3	300	
Category 3	480	
Category 3	10	0
Category 3	20	
Category 3	20	
Category 3	1	
Category 3	500	
Category 3	50	
Category 3	100	
Category 3	50	
Category 3	25	
Category 3	5	
Category 3	50	
Category 3	50	
Category 3	60	
Category 3	150	
Category 3	50	
Category 3	5	
Category 1	6000	3000
Category 3	1	
Category 3	10	0
Category 3	5	0
Category 3	3	0
Category 3	180	0
Category 3	10	0

[illegible]

[illegible]

Cala Vista Drive  
Ross Street  
Vineyard Drive  
Harbor Street  
Palm Ave.  
Clayton Street  
Fairhills Drive  
Jewell St  
Magnolia Ave  
Acacia Ave  
47 Maywood Way  
Fair Drive  
Grand Ave  
Second Street  
Margarita Dr.  
Roberts Ave  
B Street  
Grand Ave.  
Riviera Place  
Manzanita Ave  
Manderly  
Arguello Circle  
77 Manderly Rd.  
Upper Fremont  
Clark Street  
Chestnut easement  
1800 Second Street  
1304 Grand Ave.  
121 Knollwood Drive  
108 Courtright Rd.  
2319 5th Ave.  
14 Las Casas Drive  
79 Summit Ave  
92 Southern Heights Blvd.  
135 Fairhills Drive  
12 Altena Street  
240 Canal St.  
11 Scenic Ave.  
Humboldt St.  
Kerner  
Park St  
Taylor  
Moncada  
Maywood  
G St.  
7 Maywood  
353 Third St.  
703 B St.  
5th and Heatherton  
Glenn Park and Myrtle  
90 Sea Way  
Windsor easement M/H # S96  
Bedford  
Las Casas  
861 4th st

37.96995119	-122.5401604 Marin
37.96899112	-122.5359668 Marin
37.98504542	-122.5284204 Marin
37.96473661	-122.5114698 Marin
37.98007325	-122.5107736 Marin
37.97008797	-122.5341846 Marin
37.9812846	-122.5382343 Marin
37.97567409	-122.5126717 Marin
37.98086074	-122.5120321 Marin
37.97994802	-122.5139169 Marin
37.9844768	-122.5432474 Marin
37.98669891	-122.5292738 Marin
37.98364735	-122.5253444 Marin
37.97048504	-122.5181819 Marin
37.97688089	-122.4976079 Marin
37.96454767	-122.5291305 Marin
37.97224699	-122.5296315 Marin
37.98328758	-122.522405 Marin
37.99437841	-122.45875 Marin
37.98116261	-122.4815635 Marin
37.97799318	-122.4889682 Marin
37.97567151	-122.4914251 Marin
37.97851908	-122.4863825 Marin
37.97223502	-122.5415565 Marin
37.96622251	-122.5377805 Marin
37.98175281	-122.5419137 Marin
37.97310686	-122.5383168 Marin
37.97497487	-122.5183892 Marin
37.99427107	-122.4621821 Marin
37.96214973	-122.5282885 Marin
37.98410406	-122.5514455 Marin
37.97730113	-122.4933275 Marin
37.97142604	-122.4958567 Marin
37.9608591	-122.5278249 Marin
37.98039421	-122.5400295 Marin
37.954517	-122.5090097 Marin
37.96639639	-122.50451 Marin
37.97666607	-122.540953 Marin
37.98272238	-122.5475681 Marin
37.96167914	-122.5020638 Marin
37.97479652	-122.5128596 Marin
37.96820689	-122.5317817 Marin
37.97649817	-122.5021205 Marin
37.9841598	-122.5416434 Marin
37.9734378	-122.5375205 Marin
37.98604605	-122.5425795 Marin
37.97029273	-122.5164806 Marin
37.97048854	-122.5301279 Marin
37.97328281	-122.521891 Marin
37.98612477	-122.5229618 Marin
37.97108683	-122.4949482 Marin
37.98449975	-122.545031 Marin
37.96488694	-122.4917941 Marin
37.97792058	-122.4933062 Marin
37.97280933	-122.5253421 Marin

[illegible]







Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Gravity sewer  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Other sewer system structure  
Manhole  
Other sewer system structure  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Gravity sewer  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Building or structure  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Manhole  
Other sewer system structure

Rodhole

Rod hole

Clean out

Unpaved surface  
Storm drain;Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Storm drain  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Storm drain  
Unpaved surface  
Unpaved surface  
Building or structure  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Storm drain  
Street/curb and gutter  
Storm drain;Street/curb and gutter  
Unpaved surface  
Other paved surface  
Other paved surface  
Unpaved surface  
Street/curb and gutter  
Storm drain;Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Storm drain  
Unpaved surface  
Other paved surface  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Building or structure  
Street/curb and gutter  
Street/curb and gutter  
Other (specify below)  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Storm drain  
Street/curb and gutter

Contained to and cleaned up in the basement.

Open drainage channel under highway 101

7/21/2007 9:30	7/21/2007 9:30	7/21/2007 10:10	7/21/2007 10:30
7/24/2007 6:00	7/24/2007 6:45	7/24/2007 6:55	7/24/2007 7:10
7/25/2007 9:00	7/25/2007 9:10	7/25/2007 9:25	7/25/2007 9:40
8/8/2007 7:50	8/8/2007 8:00	8/8/2007 8:00	8/8/2007 8:10
8/16/2007 1:25	8/16/2007 1:30	8/16/2007 1:40	8/16/2007 1:55
8/21/2007 15:00	8/21/2007 15:00	8/21/2007 15:15	8/21/2007 15:30
8/27/2007 8:00	8/27/2007 8:00	8/27/2007 8:15	8/27/2007 10:00
8/31/2007 18:30	8/31/2007 18:30	8/31/2007 19:00	8/31/2007 22:00
9/5/2007 13:00	9/5/2007 13:00	9/5/2007 13:10	9/5/2007 13:15
9/7/2007 8:30	9/7/2007 8:30	9/7/2007 8:45	9/7/2007 9:00
9/8/2007 15:00	9/8/2007 15:00	9/8/2007 15:30	9/8/2007 16:30
9/17/2007 8:00	9/17/2007 8:00	9/17/2007 8:15	9/17/2007 8:20
9/18/2007 15:00	9/18/2007 15:00	9/18/2007 15:20	9/18/2007 15:30
9/18/2007 18:00	9/18/2007 18:00	9/18/2007 18:20	9/18/2007 21:00
9/26/2007 13:00	9/26/2007 13:00	9/26/2007 13:15	9/26/2007 13:30
9/27/2007 16:20	9/27/2007 16:20	9/27/2007 16:30	9/27/2007 16:50
9/29/2007 20:30	9/29/2007 20:30	9/29/2007 21:05	9/29/2007 23:55
10/5/2007 7:30	10/5/2007 7:30	10/5/2007 7:40	10/5/2007 7:45
10/6/2007 14:07	10/6/2007 14:07	10/6/2007 15:00	10/6/2007 17:37
10/6/2007 17:45	10/6/2007 17:45	10/6/2007 18:00	10/6/2007 18:45
10/8/2007 6:30	10/8/2007 6:30	10/8/2007 6:40	10/8/2007 7:30
10/11/2007 12:00	10/11/2007 12:00	10/11/2007 12:15	10/11/2007 12:30
10/13/2007 9:15	10/13/2007 9:15	10/13/2007 9:20	10/13/2007 9:40
10/16/2007 8:00	10/16/2007 8:00	10/16/2007 8:15	10/16/2007 8:30
10/18/2007 12:40	10/18/2007 12:40	10/18/2007 12:55	10/18/2007 13:15
10/22/2007 10:00	10/22/2007 10:00	10/22/2007 10:15	10/22/2007 10:30
10/23/2007 9:00	10/23/2007 9:00	10/23/2007 9:15	10/23/2007 9:25
10/23/2007 7:30	10/23/2007 7:30	10/23/2007 7:40	10/23/2007 7:45
11/3/2007 10:20	11/3/2007 10:20	11/3/2007 11:00	11/3/2007 12:30
11/16/2007 18:40	11/16/2007 18:40	11/16/2007 19:00	11/16/2007 19:35
11/21/2007 9:00	11/21/2007 9:00	11/21/2007 9:10	11/21/2007 9:25
11/23/2007 11:00	11/23/2007 11:00	11/23/2007 11:30	11/23/2007 15:00
12/10/2007 16:00	12/10/2007 16:00	12/10/2007 16:15	12/10/2007 17:00
12/1/2007 15:00	12/1/2007 15:00	12/1/2007 16:00	12/1/2007 17:00
12/11/2007 9:00	12/11/2007 9:00	12/11/2007 9:15	12/11/2007 9:30
12/14/2007 16:30	12/14/2007 16:30	12/14/2007 17:00	12/14/2007 18:30
12/25/2007 10:00	12/25/2007 10:00	12/25/2007 10:30	12/25/2007 12:00
1/1/2008 10:05	1/1/2008 10:05	1/1/2008 10:30	1/1/2008 11:15
1/2/2008 10:30	1/2/2008 10:30	1/2/2008 10:45	1/2/2008 11:00
1/30/2008 12:00	1/30/2008 12:00	1/30/2008 12:30	1/30/2008 12:45
1/27/2008 11:00	1/27/2008 11:00	1/27/2008 11:30	1/27/2008 12:00
1/20/2008 11:00	1/20/2008 11:00	1/20/2008 11:15	1/20/2008 11:30
2/4/2008 7:05	2/4/2008 7:05	2/4/2008 7:15	2/4/2008 7:25
2/2/2008 9:30	2/2/2008 9:30	2/2/2008 9:45	2/2/2008 10:45
2/5/2008 8:40	2/5/2008 8:40	2/5/2008 9:00	2/5/2008 9:10
2/15/2008 14:30	2/15/2008 14:30	2/15/2008 14:45	2/15/2008 15:15
2/20/2008 9:30	2/20/2008 9:30	2/20/2008 9:40	2/20/2008 9:50
2/23/2008 8:30	2/23/2008 8:30	2/23/2008 9:30	2/23/2008 10:45
2/24/2008 9:55	2/24/2008 9:55	2/24/2008 10:10	2/24/2008 12:00
3/3/2008 15:45	3/3/2008 15:45	3/3/2008 15:45	3/3/2008 16:15
3/12/2008 15:30	3/12/2008 15:30	3/12/2008 16:00	3/12/2008 16:30
3/24/2008 18:05	3/24/2008 18:05	3/24/2008 18:15	3/24/2008 22:30
3/29/2008 12:00	3/29/2008 12:00	3/29/2008 12:15	3/29/2008 12:30
3/30/2008 19:27	3/30/2008 19:27	3/30/2008 19:50	3/30/2008 21:00
4/7/2008 19:30	4/7/2008 19:30	4/7/2008 19:45	4/7/2008 20:20

Root intrusion  
Root intrusion  
Root intrusion  
Debris  
Debris  
Debris  
Root intrusion  
Root intrusion  
Debris  
Debris  
Debris  
Debris  
Root intrusion  
Grease deposition (FOG)  
Debris  
Root intrusion  
Debris  
Debris  
Root intrusion  
Debris  
Root intrusion  
Debris  
Grease deposition (FOG)  
Debris  
Debris  
Root intrusion  
Debris  
Root intrusion  
Grease deposition (FOG)  
Debris  
Root intrusion  
Grease deposition (FOG)  
Debris-General  
Root intrusion  
Debris  
Root intrusion  
Grease deposition (FOG)  
Debris  
Debris  
Debris  
Debris  
Debris  
Debris  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Debris  
Debris  
Root intrusion  
Debris  
Debris  
Debris  
Root intrusion  
Grease deposition (FOG)



Main





15 clay



[illegible]

Restored flow

2/24/2008 12:00

Added sewer to preventive maintenance program





Yes



Yes

NA

San Rafael Canal

Other (specify below)

Ammonia and Coliform

County Health Agency;Regional Water Quality Control Board



At this time water sample results indicated no impact on the water and deemed safe for recreational use.



81529	2/23/2008 11:00
81551	2/24/2008 15:30



2SSO10184	Active	715949 Doris Toy	Certified
2SSO10184	Active	716624 Doris Toy	Certified
2SSO10184	Active	717224 Doris Toy	Certified
2SSO10184	Active	717359 Doris Toy	Certified
2SSO10184	Active	717551 Doris Toy	Certified
2SSO10184	Active	717823 Doris Toy	Certified
2SSO10184	Active	718161 Doris Toy	Certified
2SSO10184	Active	718800 Doris Toy	Certified
2SSO10184	Active	719302 Doris Toy	Certified
2SSO10184	Active	719370 Doris Toy	Certified
2SSO10184	Active	719482 Doris Toy	Certified
2SSO10184	Active	719559 Doris Toy	Certified
2SSO10184	Active	721952 Doris Toy	Certified
2SSO10184	Active	723623 Doris Toy	Certified
2SSO10184	Active	723632 Doris Toy	Certified
2SSO10184	Active	723640 Doris Toy	Certified
2SSO10184	Active	724219 Doris Toy	Certified
2SSO10184	Active	724778 Doris Toy	Certified
2SSO10184	Active	725122 Doris Toy	Certified
2SSO10184	Active	726538 Doris Toy	Certified
2SSO10184	Active	727025 Doris Toy	Certified
2SSO10184	Active	727243 Doris Toy	Certified
2SSO10184	Active	727937 Doris Toy	Certified
2SSO10184	Active	728148 Doris Toy	Certified
2SSO10184	Active	728149 Doris Toy	Certified
2SSO10184	Active	728577 Doris Toy	Certified
2SSO10184	Active	728745 Doris Toy	Certified
2SSO10184	Active	728754 Doris Toy	Certified
2SSO10184	Active	728870 Doris Toy	Certified
2SSO10184	Active	728871 Doris Toy	Certified
2SSO10184	Active	728912 Doris Toy	Certified
2SSO10184	Active	729178 Doris Toy	Certified
2SSO10184	Active	729183 Doris Toy	Certified
2SSO10184	Active	729812 Doris Toy	Certified
2SSO10184	Active	730413 Doris Toy	Certified
2SSO10184	Active	731381 Doris Toy	Certified
2SSO10184	Active	731437 Doris Toy	Certified
2SSO10184	Active	731460 Doris Toy	Certified
2SSO10184	Active	732174 Doris Toy	Certified
2SSO10184	Active	732547 Doris Toy	Certified
2SSO10184	Active	732590 Doris Toy	Certified
2SSO10184	Active	732592 Doris Toy	Certified
2SSO10184	Active	733297 Doris Toy	Certified
2SSO10184	Active	733898 Doris Toy	Certified
2SSO10184	Active	734429 Doris Toy	Certified
2SSO10184	Active	734639 Doris Toy	Certified
2SSO10184	Active	734866 Doris Toy	Certified
2SSO10184	Active	734895 Doris Toy	Certified
2SSO10184	Active	735850 Doris Toy	Certified
2SSO10184	Active	738927 Doris Toy	Certified
2SSO10184	Active	741178 Doris Toy	Certified
2SSO10184	Active	741185 Doris Toy	Certified
2SSO10184	Active	741500 Doris Toy	Certified
2SSO10184	Active	741915 Doris Toy	Certified
2SSO10184	Active	742060 Doris Toy	Certified

[illegible]

SRSD	373682
SRSD	119604
SRSD	761577
SRSD	859479
SRSD	755553
SRSD	442641
SRSD	857398
SRSD	935856
San Rafael	537166
SRSD	421999
San Rafael	292334
San Rafael	593681
San Rafael	681542
San Rafael	717747
San Rafael	289144
San Rafael	318761
San Rafael	843124
San Rafael	942558
San Rafael	270376
San Rafael	499736
San Rafael Sanitation District	971247
San Rafael	366516
San Rafael	312946
San Rafael	569222
San Rafael	342910
San Rafael	749572
San Rafael	303185
San Rafael	454524
San Rafael Sanitation District	419060
San Rafael Sanitation District	973353
San Rafael Sanitation District	594110
San Rafael	456099
San Rafael	100055
San Rafael	440371
San Rafael	726155
San Rafael	543425
San Rafael	597168
San Rafael	498507
San Rafael	194687
San Rafael	736326
San Rafael	878579
San Rafael	584053
San Rafael	894630
San Rafael	123401
San Rafael	180848
San Rafael	504376
San Rafael	775840
San Rafael	657382
San Rafael	392990
San Rafael	129101
SRSD	217456
SRSD	180504
SRSD	400248
SRSD	551146
SRSD	279065

9-Apr-08	9-Apr-08	4/9/2008
28-Apr-08	28-May-08	5/28/2008
12-May-08	28-May-08	5/28/2008
14-May-08	28-May-08	5/28/2008
19-May-08	28-May-08	5/28/2008
22-May-08	28-May-08	5/28/2008
28-May-08	28-May-08	5/28/2008
4-Jun-08	12-Jun-08	6/12/2008
11-Jun-08	25-Aug-08	8/25/2008
12-Jun-08	12-Jun-08	6/12/2008
13-Jun-08	25-Aug-08	8/25/2008
16-Jun-08	25-Aug-08	8/25/2008
10-Jul-08	25-Aug-08	8/25/2008
28-Jul-08	25-Aug-08	8/25/2008
28-Jul-08	25-Aug-08	8/25/2008
28-Jul-08	25-Aug-08	8/25/2008
5-Aug-08	25-Aug-08	8/25/2008
18-Aug-08	25-Aug-08	8/25/2008
25-Aug-08	25-Aug-08	8/25/2008
19-Sep-08	31-Oct-08	10/31/2008
29-Sep-08	31-Oct-08	10/31/2008
2-Oct-08	31-Oct-08	10/31/2008
15-Oct-08	31-Oct-08	10/31/2008
21-Oct-08	31-Oct-08	11/21/2008
21-Oct-08	31-Oct-08	10/31/2008
28-Oct-08	31-Oct-08	10/31/2008
31-Oct-08	31-Oct-08	10/31/2008
31-Oct-08	31-Oct-08	10/31/2008
3-Nov-08	22-Jan-09	1/22/2010
3-Nov-08	22-Jan-09	1/22/2010
4-Nov-08	22-Jan-09	1/22/2010
12-Nov-08	21-Nov-08	11/21/2008
12-Nov-08	21-Nov-08	11/21/2008
25-Nov-08	9-Dec-08	12/9/2008
11-Dec-08	22-Jan-09	1/22/2009
5-Jan-09	22-Jan-09	1/22/2009
5-Jan-09	22-Jan-09	1/22/2009
6-Jan-09	22-Jan-09	1/22/2009
21-Jan-09	22-Jan-09	1/22/2009
26-Jan-09	18-Mar-09	3/18/2009
27-Jan-09	18-Mar-09	3/18/2009
27-Jan-09	18-Mar-09	3/18/2009
9-Feb-09	9-Feb-09	12/20/2010
19-Feb-09	18-Mar-09	3/18/2009
2-Mar-09	18-Mar-09	3/18/2009
6-Mar-09	18-Mar-09	3/18/2009
12-Mar-09	7-Jul-09	7/7/2009
12-Mar-09	7-Jul-09	7/7/2009
2-Apr-09	7-Jul-09	7/7/2009
11-Jun-09	7-Jul-09	7/7/2009
15-Jul-09	17-Sep-09	9/17/2009
15-Jul-09	17-Sep-09	9/17/2009
20-Jul-09	17-Sep-09	9/17/2009
28-Jul-09	17-Sep-09	9/17/2009
30-Jul-09	17-Sep-09	9/17/2009



Category 3	50	0
Category 3	200	0
Category 3	135	0
Category 3	6	0
Category 3	150	0
Category 3	100	0
Category 3	85	0
Category 3	60	0
Category 3	150	150
Category 3	5	0
Category 3	100	0
Category 3	5	0
Category 3	50	0
Category 3	1	0
Category 3	10	0
Category 3	5	0
Category 3	30	0
Category 3	10	0
Category 3	5	0
Category 3	25	0
Category 3	50	0
Category 3	5	0
Category 3	200	0
Category 3	100	0
Category 3	15	0
Category 3	15	0
Category 3	200	0
Category 3	150	0
Category 3	20	0
Category 3	20	0
Category 3	200	0
Category 3	50	0
Category 3	30	0
Category 3	50	0
Category 3	40	0
Category 3	45	0
Category 3	100	0
Category 3	5	0
Category 3	50	0
Category 3	300	0
Category 3	20	0
Category 3	10	0
Category 1	900	400
Category 3	125	0
Category 3	60	0
Category 1	500	0
Category 3	50	0
Category 3	2	0
Category 3	50	0
Category 3	30	25
Category 3	100	25
Category 3	75	75
Category 3	15	5
Category 3	15	0
Category 3	20	15

0 No	No
0 No	No
0 No	Yes
0 No	No
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0 No	Yes
0 No	No
0 No	No
0 No	No
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0 No	Yes
0 No	Yes
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	Yes
0 No	No
0 No	Yes
0 No	Yes
500 Yes	Yes
0 No	Yes
0 No	No
500 Yes	Yes
0 No	Yes
0 No	No
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0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No

Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe

48 Twin Oaks  
1821 2nd  
Harbor and Canal  
Lynn Ct  
29 Frances  
San Marino easement  
150 Valley View  
Arguello Circle San Pedro Sidewalk easement  
Harbor and Canal  
160 Tamal Vista  
2nd and Ida  
146 Prospect  
Berryl Lane easement  
121 Jewell Ct  
105 Oakmont  
24 Valencia  
8 Neame  
25 Vineyard  
42 East Crescent  
1924 5th Ave  
1893 Lincoln  
42 Edgewood  
209 San Marino  
304 G St.  
38 Tierra Vista  
11 Twin Oaks  
Acacia and Olive  
2nd and Ida  
17 Upper Fremont  
38 Vineyard  
2313 5th Ave  
28 Twin Oaks Ave.  
21 Fremont  
881 4th St  
113 Woodland Ave  
225 San Marino  
Forbes and Mission  
96 Bret Harte Rd.  
1385 East Francisco  
108 Courtright  
232 Picnic  
249 Mountain View  
2333 5th Ave  
77 Manderly  
125 Altena  
4 ARV Pt. San Pedro and Bellevue  
1385 East Francisco  
Commercial Place Rod Hole  
14 Bryn Mawr  
117 Rafael  
37 Vineyard Dr.  
Mission and Nye  
11 Scenic  
124 Park  
219 Glen Park

37.98088035	-122.5350302 Marin
37.97311885	-122.5388857 Marin
37.96719896	-122.5119558 Marin
37.96090714	-122.5203273 Marin
37.97021267	-122.53397 Marin
37.993402	-122.4581997 Marin
37.98696883	-122.53895 Marin
37.97562165	-122.4915633 Marin
37.96725111	-122.5120375 Marin
37.98004387	-122.5493488 Marin
37.97302772	-122.5382815 Marin
37.98188899	-122.524205 Marin
37.98033401	-122.5400462 Marin
37.97352893	-122.5124611 Marin
37.98582806	-122.534764 Marin
37.9729407	-122.5126458 Marin
37.97776324	-122.548913 Marin
37.98445824	-122.5281973 Marin
37.97584162	-122.544477 Marin
37.97752431	-122.5406664 Marin
37.98883931	-122.528475 Marin
37.98479536	-122.5372051 Marin
37.99339214	-122.4586212 Marin
37.9756616	-122.5369242 Marin
37.97624077	-122.5444697 Marin
37.98082383	-122.5372941 Marin
37.97929353	-122.5150859 Marin
37.97327366	-122.5392518 Marin
37.971758	-122.541434 Marin
37.985036	-122.528435 Marin
37.984115	-122.551398 Marin
37.98037676	-122.5360939 Marin
37.97164433	-122.5410686 Marin
37.972526	-122.525738 Marin
37.9633967	-122.5216598 Marin
37.99341938	-122.4581929 Marin
37.97584991	-122.5365011 Marin
37.95408655	-122.5177945 Marin
37.95425379	-122.4987857 Marin
37.96218699	-122.5282991 Marin
37.96492141	-122.5274623 Marin
37.98571983	-122.5131468 Marin
37.98455021	-122.5519675 Marin
37.97849856	-122.486386 Marin
37.95429047	-122.5093302 Marin
37.97498197	-122.4918497 Marin
37.954194	-122.4988073 Marin
37.97242002	-122.5258806 Marin
37.97571966	-122.5333539 Marin
37.97710212	-122.518686 Marin
37.98509241	-122.5285832 Marin
37.97468752	-122.5250877 Marin
37.97662021	-122.5409275 Marin
37.97387554	-122.5131197 Marin
37.98662237	-122.5236655 Marin

[illegible]

#1 Lane eastbound on Point San Pedro, water released out of ARV # A24





Manhole  
Other sewer system structure  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other (specify)  
Other (specify)  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Other sewer system structure  
Manhole  
Other sewer system structure  
Other sewer system structure  
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Other sewer system structure  
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Other (specify)  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Other sewer system structure  
Manhole  
Other (specify)  
Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Gravity sewer  
Other sewer system structure  
Gravity sewer  
Manhole

Rod hole

Clean out

Rodhole  
Rod Hole

Rod hole

Toilet and back of washer

Cleanout  
Rod hole

Rod Hole

Clean out

Manhole ID S2725  
S819  
Backyard  
S1314

Rodhole #S2680  
Air Release Valve

Rod Hole  
Rod Hole  
Rod hole at end of line  
Clean out

Clean out

Street/curb and gutter  
Storm drain  
Storm drain  
Street/curb and gutter  
Street/curb and gutter  
Storm drain  
Unpaved surface  
Unpaved surface  
Storm drain  
Unpaved surface  
Storm drain;Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Building or structure;Other paved surface  
Unpaved surface  
Building or structure  
Other paved surface;Storm drain  
Storm drain;Street/curb and gutter  
Unpaved surface;Other (specify below)  
Storm drain;Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Storm drain  
Storm drain  
Unpaved surface  
Unpaved surface  
Storm drain;Street/curb and gutter  
Storm drain;Street/curb and gutter  
Street/curb and gutter  
Storm drain  
Storm drain;Street/curb and gutter  
Unpaved surface  
Storm drain;Street/curb and gutter  
Unpaved surface  
Storm drain;Street/curb and gutter  
Unpaved surface  
Storm drain  
Storm drain  
Other (specify below)  
Storm drain  
Unpaved surface  
Surface water  
Storm drain  
Other paved surface  
Storm drain;Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Storm drain;Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Unpaved surface

Garage, driveway, curb and gutter

contained majority in v-ditch

Creek

Water flowed down the street into a storm structure which fed into a drainage channel.

and parking lot

4/8/2008 18:00	4/8/2008 18:00	4/8/2008 18:10	4/8/2008 18:20
4/27/2008 22:52	4/27/2008 22:52	4/27/2008 23:00	4/28/2008 0:00
5/11/2008 16:45	5/11/2008 16:45	5/11/2008 17:20	5/11/2008 18:05
5/13/2008 7:15	5/13/2008 7:15	5/13/2008 7:30	5/13/2008 7:45
5/16/2008 7:00	5/16/2008 7:00	5/16/2008 7:30	5/16/2008 7:45
5/21/2008 7:30	5/21/2008 7:30	5/21/2008 8:00	5/21/2008 8:30
5/27/2008 8:30	5/27/2008 8:30	5/27/2008 8:45	5/27/2008 9:00
6/3/2008 11:20	6/3/2008 11:20	6/3/2008 11:25	6/3/2008 11:40
6/10/2008 7:15	6/10/2008 7:15	6/10/2008 7:20	6/10/2008 7:25
6/11/2008 2:25	6/11/2008 2:25	6/11/2008 2:45	6/11/2008 3:45
6/12/2008 8:05	6/12/2008 8:05	6/12/2008 8:10	6/12/2008 8:20
6/14/2008 9:45	6/14/2008 9:45	6/14/2008 10:00	6/14/2008 11:00
7/8/2008 18:30	7/8/2008 18:30	7/8/2008 19:00	7/8/2008 21:00
7/14/2008 10:00	7/14/2008 10:00	7/14/2008 10:30	7/14/2008 11:00
7/14/2008 9:00	7/14/2008 9:00	7/14/2008 9:30	7/14/2008 10:00
7/23/2008 7:30	7/23/2008 7:30	7/23/2008 7:45	7/23/2008 7:55
8/1/2008 10:00	8/1/2008 10:00	8/1/2008 10:15	8/1/2008 10:30
8/10/2008 19:00	8/10/2008 19:00	8/10/2008 19:20	8/10/2008 19:30
8/20/2008 10:15	8/20/2008 10:15	8/20/2008 10:25	8/20/2008 11:15
9/17/2008 8:00	9/17/2008 8:00	9/17/2008 8:00	9/17/2008 8:00
9/28/2008 12:15	9/28/2008 12:15	9/28/2008 12:30	9/28/2008 12:45
10/1/2008 14:20	10/1/2008 14:20	10/1/2008 14:25	10/1/2008 15:15
10/14/2008 12:00	10/14/2008 12:00	10/14/2008 12:15	10/14/2008 12:40
10/20/2008 9:30	10/20/2008 9:30	10/20/2008 9:35	10/20/2008 9:45
10/19/2008 13:45	10/19/2008 13:45	10/19/2008 13:45	10/19/2008 16:00
10/26/2008 13:00	10/26/2008 13:00	10/26/2008 13:00	10/26/2008 13:30
10/28/2008 15:51	10/28/2008 15:51	10/28/2008 16:00	10/28/2008 16:15
10/28/2008 18:00	10/28/2008 18:00	10/28/2008 18:15	10/28/2008 20:00
11/2/2008 10:30	11/2/2008 10:30	11/2/2008 10:45	11/2/2008 11:15
11/2/2008 14:30	11/2/2008 14:30	11/2/2008 15:00	11/2/2008 15:45
11/3/2008 19:30	11/3/2008 19:30	11/3/2008 19:30	11/3/2008 20:00
11/7/2008 16:40	11/7/2008 16:40	11/7/2008 16:40	11/7/2008 17:00
11/9/2008 9:00	11/9/2008 9:00	11/9/2008 9:00	11/9/2008 9:30
11/21/2008 17:30	11/21/2008 17:30	11/21/2008 17:30	11/21/2008 18:30
12/8/2008 11:40	12/8/2008 11:40	12/8/2008 12:00	12/8/2008 13:40
12/30/2008 15:15	12/30/2008 15:15	12/30/2008 15:30	12/30/2008 16:00
1/1/2009 10:15	1/1/2009 10:15	1/1/2009 10:30	1/1/2009 10:40
1/3/2009 9:45	1/3/2009 9:45	1/3/2009 10:00	1/3/2009 14:00
1/16/2009 15:40	1/16/2009 15:45	1/16/2009 16:00	1/16/2009 16:15
1/25/2009 13:30	1/25/2009 13:30	1/25/2009 13:40	1/25/2009 14:00
1/26/2009 8:30	1/26/2009 8:30	1/26/2009 8:35	1/26/2009 8:40
1/27/2009 7:27	1/27/2009 7:27	1/27/2009 7:40	1/27/2009 7:55
2/7/2009 10:50	2/7/2009 10:50	2/7/2009 11:10	2/7/2009 11:35
2/18/2009 9:30	2/18/2009 9:30	2/18/2009 9:35	2/18/2009 9:40
2/28/2009 18:00	2/28/2009 18:43	2/28/2009 19:00	2/28/2009 19:30
3/5/2009 16:20	3/5/2009 16:20	3/5/2009 16:30	3/5/2009 18:30
3/11/2009 11:05	3/11/2009 11:05	3/11/2009 11:25	3/11/2009 11:35
3/11/2009 16:30	3/11/2009 16:30	3/11/2009 16:40	3/11/2009 16:50
3/31/2009 23:45	3/31/2009 23:45	4/1/2009 0:30	4/1/2009 1:15
6/10/2009 6:30	6/10/2009 6:30	6/10/2009 6:45	6/10/2009 7:30
7/11/2009 12:30	7/11/2009 12:30	7/11/2009 13:00	7/11/2009 14:00
7/10/2009 17:30	7/10/2009 17:30	7/10/2009 17:45	7/10/2009 19:00
7/18/2009 11:00	7/18/2009 11:00	7/18/2009 11:20	7/18/2009 11:50
7/24/2009 7:30	7/24/2009 7:30	7/24/2009 8:00	7/24/2009 8:45
7/29/2009 8:30	7/29/2009 8:30	7/29/2009 8:40	7/29/2009 9:00

Root intrusion  
Grease deposition (FOG)  
Debris  
Grease deposition (FOG)  
Debris  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Debris  
Debris  
Debris  
Root intrusion  
Root intrusion  
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Grease deposition (FOG)  
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Root intrusion  
Root intrusion  
Debris  
Grease deposition (FOG)  
Debris  
Debris  
Root intrusion  
Debris  
Grease deposition (FOG)  
Debris-General  
Root intrusion  
Debris-Rags  
Root intrusion  
Debris-Rags  
Root intrusion  
Other (specify below)  
Debris-General  
Grease deposition (FOG)  
Root intrusion  
Debris-Rags  
Pipe structural problem/failure  
Pipe structural problem/failure  
Debris-Rags  
Root intrusion  
Root intrusion

vandalism; backflow preventer on lateral was removed by someone other than the homeowner or the district.

According to the tenant the spill started at 5:45 pm and stopped at 6:00 pm. When our contractor arrived he didn't notice

#### Roots and Rags

The float in the Air Release Valve came loose and failed to hold the water back thus releasing water instead of air.

Hole in the pipe and root intrusion.

Feminine Hygiene Products

Main

Main



We're suspecting a soft blockage in the main that cleared itself.

6 VCP





We closed the valve to the ARV, sealed off the ARV, washed down the street and storm drainage system and collected th

2/7/2009 11:35

3/5/2009 20:30

Adjusted schedule/method of preventive maintenance

Other (specify below)

We are in the process of rebuilding that ARV and have adjusted the preventative maintenance schedule to inspect all of c



Yes

Yes

No solids were seen in the drainage channel.

Yes

Yes

NA

NA

San Rafael Creek

Paganini Ditch

Biological indicator(s) - specify below

Biological indicator(s) - specify below

Bacterial Indicators Total and Fecal Coliform Enterococcus

Bacterial Indicators: Total and Fecal Coliform Enterococcus

County Health Agency

County Health Agency



County of Marin Environmental Health Services Central Marin Sanitation Agency

Central Marin Sanitation Agency County of Marin Environmental Health Services



91115 2/9/2009 10:54

92049 3/5/2009 19:05



2SSO10184	Active	744695 Doris Toy	Certified
2SSO10184	Active	744697 Doris Toy	Certified
2SSO10184	Active	744948 Doris Toy	Certified
2SSO10184	Active	745106 Doris Toy	Certified
2SSO10184	Active	745899 Doris Toy	Certified
2SSO10184	Active	745900 Doris Toy	Certified
2SSO10184	Active	745926 Doris Toy	Certified
2SSO10184	Active	746412 Doris Toy	Certified
2SSO10184	Active	746435 Doris Toy	Certified
2SSO10184	Active	746608 Doris Toy	Certified
2SSO10184	Active	746742 Doris Toy	Certified
2SSO10184	Active	747685 Doris Toy	Certified
2SSO10184	Active	747860 Doris Toy	Certified
2SSO10184	Active	748316 Doris Toy	Certified
2SSO10184	Active	748452 Doris Toy	Certified
2SSO10184	Active	748683 Doris Toy	Certified
2SSO10184	Active	749096 Doris Toy	Certified
2SSO10184	Active	750771 Doris Toy	Certified
2SSO10184	Active	751815 Doris Toy	Certified
2SSO10184	Active	752030 Doris Toy	Certified
2SSO10184	Active	752524 Doris Toy	Certified
2SSO10184	Active	755957 Doris Toy	Certified
2SSO10184	Active	756023 Doris Toy	Certified
2SSO10184	Active	756026 Doris Toy	Certified
2SSO10184	Active	756632 Doris Toy	Certified
2SSO10184	Active	756652 Doris Toy	Certified
2SSO10184	Active	756800 Doris Toy	Certified
2SSO10184	Active	757108 Doris Toy	Certified
2SSO10184	Active	757109 Doris Toy	Certified
2SSO10184	Active	757398 Doris Toy	Certified
2SSO10184	Active	758538 Doris Toy	Certified
2SSO10184	Active	758701 Doris Toy	Certified
2SSO10184	Active	758860 Doris Toy	Certified
2SSO10184	Active	758863 Doris Toy	Certified
2SSO10184	Active	759578 Doris Toy	Certified
2SSO10184	Active	760325 Doris Toy	Certified
2SSO10184	Active	760404 Doris Toy	Certified
2SSO10184	Active	760510 Doris Toy	Certified
2SSO10184	Active	762536 Doris Toy	Certified
2SSO10184	Active	763266 Doris Toy	Certified
2SSO10184	Active	763942 Doris Toy	Certified
2SSO10184	Active	766393 Doris Toy	Certified
2SSO10184	Active	766394 Doris Toy	Certified
2SSO10184	Active	767876 Doris Toy	Certified
2SSO10184	Active	770235 Doris Toy	Certified
2SSO10184	Active	770236 Doris Toy	Certified
2SSO10184	Active	770461 Doris Toy	Certified
2SSO10184	Active	770473 Doris Toy	Certified
2SSO10184	Active	771125 Doris Toy	Certified
2SSO10184	Active	771553 Doris Toy	Certified
2SSO10184	Active	771881 Doris Toy	Certified
2SSO10184	Active	771949 Doris Toy	Certified
2SSO10184	Active	773353 Doris Toy	Certified
2SSO10184	Active	773411 Doris Toy	Certified
2SSO10184	Active	773487 Doris Toy	Certified

District Manager/District Engineer  
District Manager/District Engineer  
District Manager  
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District Manager/District Engineer  
District Manager/District Engineer  
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District Manager/District Engineer  
District Manager/District Engineer  
District Manager/Engineer  
District Manager/District Engineer  
District Manager/Engineer  
District Manager/District Engineer

SRSD	852149
SRSD	237501
SRSD	357995
SRSD	514234
SRSD	667451
SRSD	216471
SRSD	147147
San Rafael Sanitation District	187597
San Rafael Sanitation District	698538
San Rafael Sanitation District	781263
San Rafael Sanitation District	377609
San Rafael Sanitation District	114633
San Rafael Sanitation District	498049
San Rafael Sanitation District	487924
San Rafael Sanitation District	147331
San Rafael Sanitation District	617687
SRSD	233770
SRSD	959362
SRSD	869378
SRSD	710186
SRSD	814416
San Rafael Sanitation District	647563
San Rafael	354535
San Rafael Sanitation District	153841
San Rafael Sanitation District	192608
San Rafael Sanitation District	221203
San Rafael Sanitation District	702791
San Rafael Sanitation District	230901
San Rafael Sanitation District	252282
San Rafael	849205
San Rafael	448667
San Rafael	746896
San Rafael	600869
San Rafael	874687
San Rafael	794494
San Rafael	660488
San Rafael	838552
San Rafael	162086
San Rafael	513955
San Rafael	317455
San Rafael	570561
San Rafael	600875
San Rafael	408858
San Rafael	395934
San Rafael	850477
San Rafael	862923
San Rafael Sanitation District	583345
San Rafael Sanitation District	442119
San Rafael	850379
San Rafael	917836
San Rafael	235844
San Rafael Sanitation District	296715
San Rafael	179990
San Rafael	327284
San Rafael	360631

16-Sep-09		17-Sep-09	9/17/2009
16-Sep-09		17-Sep-09	9/17/2009
22-Sep-09		23-Oct-09	10/23/2009
28-Sep-09		23-Oct-09	10/23/2009
21-Oct-09		23-Oct-09	10/23/2009
21-Oct-09		23-Oct-09	10/23/2009
22-Oct-09		23-Oct-09	10/23/2009
2-Nov-09		22-Jan-10	1/22/2010
3-Nov-09		22-Jan-10	1/22/2010
6-Nov-09		22-Jan-10	1/22/2010
13-Nov-09		22-Jan-10	1/22/2010
21-Dec-09		22-Jan-10	1/22/2010
23-Dec-09		22-Jan-10	1/22/2010
12-Jan-10		12-Jan-10	1/12/2010
20-Jan-10		22-Jan-10	1/22/2010
22-Jan-10		22-Jan-10	1/22/2010
3-Feb-10		20-May-10	5/20/2010
19-Mar-10		20-May-10	5/20/2010
21-Apr-10		20-May-10	5/20/2010
29-Apr-10		20-May-10	5/20/2010
18-May-10	5/18/2010	20-May-10	8/16/2010
11-Aug-10	8/11/2010	24-Sep-10	9/24/2010
16-Aug-10	8/16/2010	20-Dec-10	12/20/2010
16-Aug-10	8/16/2010	24-Sep-10	9/24/2010
7-Sep-10	9/7/2010	24-Sep-10	9/24/2010
8-Sep-10	9/8/2010	24-Sep-10	9/24/2010
15-Sep-10	9/15/2010	24-Sep-10	9/24/2010
23-Sep-10	9/23/2010	24-Sep-10	9/24/2010
23-Sep-10	9/23/2010	24-Sep-10	9/24/2010
6-Oct-10	10/6/2010	20-Dec-10	12/20/2010
15-Nov-10	11/15/2010	20-Dec-10	12/20/2010
17-Nov-10	11/17/2010	20-Dec-10	12/20/2010
23-Nov-10	11/23/2010	20-Dec-10	12/20/2010
23-Nov-10	11/23/2010	20-Dec-10	12/20/2010
20-Dec-10	12/20/2010	20-Dec-10	12/20/2010
6-Jan-11	1/6/2011	28-Mar-11	3/28/2011
7-Jan-11	1/7/2011	11-Jan-11	1/11/2011
10-Jan-11	1/10/2011	11-Jan-11	1/11/2011
7-Feb-11	2/7/2011	8-Feb-11	2/8/2011
18-Feb-11	2/18/2011	27-Dec-11	12/27/2011
2-Mar-11	3/2/2011	27-Dec-11	12/27/2011
12-May-11	5/12/2011	27-Dec-11	12/27/2011
12-May-11	5/12/2011	27-Dec-11	12/27/2011
28-Jun-11	6/28/2011	27-Dec-11	12/27/2011
23-Aug-11	8/23/2011	27-Dec-11	12/27/2011
23-Aug-11	8/23/2011	27-Dec-11	12/27/2011
30-Aug-11	8/30/2011	1-Sep-11	9/1/2011
30-Aug-11	8/30/2011	1-Sep-11	9/1/2011
16-Sep-11	9/16/2011	27-Dec-11	12/27/2011
29-Sep-11	9/29/2011	27-Dec-11	12/27/2011
10-Oct-11	10/10/2011	27-Dec-11	12/27/2011
12-Oct-11	10/12/2011	17-Oct-11	10/17/2011
22-Nov-11	11/22/2011	27-Dec-11	12/27/2011
23-Nov-11	11/23/2011	23-Nov-11	11/23/2011
28-Nov-11	11/28/2011	27-Dec-11	12/27/2011



Category 3	375	375
Category 3	10	0
Category 3	20	0
Category 3	20	20
Category 3	10	10
Category 3	25	25
Category 3	20	0
Category 3	5	0
Category 3	100	75
Category 3	15	0
Category 3	750	750
Category 3	40	0
Category 3	100	0
Category 2	1825	0
Category 3	50	0
Category 1	600	0
Category 3	50	50
Category 3	75	75
Category 3	10	0
Category 3	25	25
Category 3	5	3
Category 3	9	0
Category 3	2	0
Category 3	20	0
Category 3	125	125
Category 3	150	150
Category 3	30	30
Category 3	75	75
Category 3	75	75
Category 3	30	0
Category 3	10	0
Category 3	20	10
Category 3	900	900
Category 3	40	40
Category 3	150	0
Category 3	200	200
Category 1	300	100
Category 3	10	10
Category 3	20	20
Category 3	20	20
Category 3	10	5
Category 3	10	10
Category 3	3	0
Category 3	150	0
Category 3	10	5
Category 3	15	5
Category 2	1125	1125
Category 3	35	35
Category 3	10	0
Category 3	5	0
Category 3	80	80
Category 3	5	5
Category 3	30	0
Category 3	150	150
Category 3	100	100

0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
600 Yes	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
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0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	Yes
200 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No

[illegible]

Yes

Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe

Yes

[illegible]

Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe

Yes

Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe

Yes

Not Applicable - Spill did not reach a separate storm drainpipe

No

[illegible]

Yes

Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe

Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe

Acacia and Olive  
Lower Bret Harte Easement  
36 Windsor  
Third St. by Marin Lock  
200 Yacht Club Dr.  
190 Palm  
58 San Marino  
319 Laurel Place  
65 Moncada Way  
38 Twin Oaks  
21 Prospect  
Mission and Tamalpais  
116 Miramar Ave  
39 Glen Ave  
7 Twin Oaks Ave  
Mission and Nye  
50 Acacia  
16 Highland  
35 Valencia  
21 Fairhills  
16 Chestnut  
210 Jewell  
460 Fairhills  
80 Fairhills  
5th and E  
30 Twin Oaks  
3rd and Embarcadero  
217 Irwin  
367 Irwin  
64 Marina Ct  
Point San Pedro CMP collapse  
71 Twin Oaks  
Picnic and Bungalow  
71 Twin Oaks  
82 Southern Heights  
91 Bay Way  
Acacia and Olive  
243 Knollwood  
Picnic and Bungalow  
219 Center  
57 West Crescent  
861 4th Street  
5 Pleasant Lane  
11 San Marino  
20 Miramar Ave  
232 Miramar Ave  
11 Chestnut  
19 Glenwood  
262 Linden  
511 Mission  
5 Woods St  
15 Madrona  
142 Margarita  
425 1st Street  
4 Altena

37.97936432	-122.5151338 Marin
37.9537429	-122.5159321 Marin
37.98358957	-122.5450441 Marin
37.97173403	-122.5243635 Marin
37.96857204	-122.5185506 Marin
37.98038778	-122.5108644 Marin
37.9890619	-122.4638802 Marin
37.975664	-122.5279233 Marin
37.97634078	-122.5014893 Marin
37.98062033	-122.5354126 Marin
37.97949142	-122.522443 Marin
37.97419142	-122.5222317 Marin
37.97051169	-122.5371697 Marin
37.96244221	-122.5278253 Marin
37.98115589	-122.5376919 Marin
37.9744972	-122.525133 Marin
37.97998525	-122.5139319 Marin
37.97603715	-122.5129009 Marin
37.97373558	-122.513097 Marin
37.97950049	-122.5380136 Marin
37.98230295	-122.5420007 Marin
37.97574855	-122.5121978 Marin
37.98329685	-122.5352467 Marin
37.98048382	-122.5381679 Marin
37.97469398	-122.5331817 Marin
37.98028555	-122.5358112 Marin
37.96880724	-122.5120415 Marin
37.95794763	-122.5212713 Marin
37.96208015	-122.5207279 Marin
37.96857828	-122.508307 Marin
37.97245557	-122.4974419 Marin
37.98196272	-122.5344825 Marin
37.96232616	-122.5245582 Marin
37.9818402	-122.5344853 Marin
37.96083935	-122.5279739 Marin
37.97208965	-122.4931143 Marin
37.97929718	-122.5151526 Marin
37.99570447	-122.4634854 Marin
37.96316843	-122.5258707 Marin
37.97966015	-122.5423458 Marin
37.97772429	-122.5480137 Marin
37.97275298	-122.5253477 Marin
37.96423034	-122.5309607 Marin
37.98929089	-122.4664327 Marin
37.97048756	-122.5390775 Marin
37.97125978	-122.536814 Marin
37.98151756	-122.5416884 Marin
37.98439266	-122.5259544 Marin
37.98293894	-122.520366 Marin
37.97350603	-122.5192836 Marin
37.9695474	-122.5377774 Marin
37.9670363	-122.5390646 Marin
37.97825057	-122.4976759 Marin
37.97160606	-122.5362255 Marin
37.9562614	-122.5090767 Marin

[illegible]

In the north west section of the intersection.

The spill exited a clean out for 425 1st Street.





Manhole  
Gravity sewer  
Other sewer system structure  
Gravity sewer  
Manhole  
Manhole  
Building or structure  
Building or structure  
Manhole  
Other sewer system structure  
Manhole  
Other sewer system structure  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Other sewer system structure  
Manhole  
Gravity sewer  
Gravity sewer  
Other (specify)  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Gravity sewer  
Other sewer system structure  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Gravity sewer  
Other sewer system structure  
Other sewer system structure  
Gravity sewer  
Manhole  
Other sewer system structure  
Other sewer system structure  
Manhole  
Gravity sewer;Manhole  
Other sewer system structure  
Manhole

Pipe connection split apart where cast iron connected to the poly line.  
Rod hole  
Rod hole #271

Lamp hole

Rod hole # R241  
Sewage backed up sewer main and exited out of the lateral under the house  
Manhole number MH1283

Manhole number MH1071  
Manhole number MH765  
MH739  
Clean out

Rod hole number R434  
MH736  
Break in the pipe 30' downstream of MH1592  
Sewer line between MH1850 and R471  
Spill exited a trench plate.  
Private cleanout for 30 Twin Oaks  
MH686  
MH1227

water exited a private lateral near our easement that runs between Marina Ct. and Point San Pedro.  
The overflow occurred at a private manhole at 24 Summit. The low point on that system.  
Sewage was leaking from a burried rod hole that was missing it's cap.  
Spill exited a clean out in the yard of 101 Picnic  
clean out for 71 Twin Oaks Ave

Rodhole R78

private clean out to 219 Center  
clean out in the yard of 57 West Crescent  
Clean out in sidewalk  
Burried Rod Hole(R310) in the street. Water was weeping through the asphalt road.  
Spill exited a contra costa valve to 7 San Marino Drive.  
offset joint on a gravity sewer pipe  
Rod hole  
Clean out for 11 Chestnut

private clean out to 511 Mission  
private clean out

mh3014

Storm drain;Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Other paved surface;Street/curb and gutter  
Street/curb and gutter  
Building or structure;Unpaved surface  
Building or structure  
Street/curb and gutter;Unpaved surface  
Street/curb and gutter  
Storm drain;Street/curb and gutter  
Other paved surface;Storm drain;Street/curb and gutter  
Unpaved surface  
Street/curb and gutter;Unpaved surface  
Building or structure;Unpaved surface  
Storm drain;Street/curb and gutter;Surface water;Other (specify below)  
Storm drain;Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Storm drain;Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Storm drain;Street/curb and gutter  
Storm drain;Street/curb and gutter  
Unpaved surface  
Other paved surface  
Unpaved surface  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Unpaved surface  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter;Surface water  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Unpaved surface  
Building or structure;Unpaved surface  
Other paved surface  
Separate storm drain;Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter

After leaving the manhole the overflow went down the street into a storm drain out into Mahone Creek and eventually Sar

The SSO ran down approximately 400' of street curb and was collected at the catch basin.

spill was contained to the planter strip between the sidewalk and street.

After leaving the clean out the water traveled down the street curb and gutter into a catch basin with eventually flowed to

Water exited a contra costa valve on the side yard of the residence and entered the basement through the foundation.  
drive way

Our crews were on site before the SSO occurred and were able to put out sand bags in the curb and gutter to prevent this

9/11/2009 15:30	9/11/2009 15:30	9/11/2009 15:45	9/11/2009 16:00
9/14/2009 18:00	9/14/2009 18:00	9/14/2009 18:30	9/14/2009 20:45
9/21/2009 10:30	9/21/2009 10:30	9/21/2009 10:40	9/21/2009 10:45
9/24/2009 17:15	9/24/2009 17:15	9/24/2009 17:30	9/24/2009 17:35
10/16/2009 14:40	10/16/2009 14:45	10/16/2009 14:55	10/16/2009 15:00
10/20/2009 10:00	10/20/2009 10:00	10/20/2009 10:15	10/20/2009 10:20
10/17/2009 13:00	10/17/2009 13:00	10/17/2009 13:15	10/17/2009 13:30
10/27/2009 9:30	10/27/2009 9:30	10/27/2009 9:40	10/27/2009 9:35
11/1/2009 9:15	11/1/2009 9:15	11/1/2009 9:30	11/1/2009 10:15
11/5/2009 10:35	11/5/2009 10:35	11/5/2009 10:45	11/5/2009 10:55
11/7/2009 11:45	11/7/2009 11:45	11/7/2009 11:45	11/7/2009 12:15
12/20/2009 14:40	12/20/2009 14:40	12/20/2009 15:04	12/20/2009 15:12
12/20/2009 17:00	12/20/2009 17:30	12/20/2009 17:30	12/20/2009 21:00
1/10/2010 13:15	1/10/2010 13:15	1/10/2010 13:15	1/10/2010 14:30
1/18/2010 14:13	1/18/2010 14:13	1/18/2010 14:30	1/18/2010 14:45
1/21/2010 10:33	1/21/2010 10:15	1/21/2010 10:33	1/21/2010 10:45
1/28/2010 20:30	1/28/2010 20:30	1/28/2010 20:45	1/28/2010 21:00
3/12/2010 18:40	3/12/2010 18:40	3/12/2010 19:00	3/12/2010 19:20
4/18/2010 8:00	4/18/2010 8:00	4/18/2010 8:10	4/18/2010 8:35
4/28/2010 12:50	4/28/2010 12:50	4/28/2010 13:00	4/28/2010 13:10
5/18/2010 7:40	5/18/2010 7:40	5/18/2010 7:50	5/18/2010 8:00
8/10/2010 19:30	8/10/2010 19:30	8/10/2010 20:15	8/10/2010 20:20
8/11/2010 14:45	8/11/2010 14:45	8/11/2010 15:00	8/11/2010 15:30
8/15/2010 16:45	8/15/2010 16:45	8/15/2010 17:00	8/15/2010 18:00
9/4/2010 9:35	9/4/2010 9:40	9/4/2010 9:51	9/4/2010 10:15
9/5/2010 9:35	9/5/2010 9:35	9/5/2010 9:35	9/5/2010 10:00
9/11/2010 17:55	9/11/2010 17:55	9/11/2010 18:45	9/11/2010 21:55
9/21/2010 20:00	9/21/2010 20:00	9/21/2010 20:30	9/21/2010 20:35
9/18/2010 21:45	9/18/2010 21:45	9/18/2010 22:50	9/18/2010 23:15
10/5/2010 10:00	10/5/2010 10:00	10/5/2010 10:10	10/5/2010 11:10
11/9/2010 8:26	11/9/2010 8:26	11/9/2010 8:35	11/9/2010 8:45
11/17/2010 7:33	11/17/2010 7:33	11/17/2010 7:45	11/17/2010 8:00
11/21/2010 11:00	11/21/2010 11:00	11/21/2010 11:30	11/21/2010 12:00
11/22/2010 11:43	11/22/2010 11:43	11/22/2010 12:00	11/22/2010 12:10
12/19/2010 11:30	12/19/2010 11:30	12/19/2010 11:50	12/19/2010 12:15
1/5/2011 15:15	1/5/2011 15:15	1/5/2011 15:30	1/5/2011 16:15
1/6/2011 11:55	1/6/2011 11:55	1/6/2011 12:04	1/6/2011 12:15
1/9/2011 9:30	1/9/2011 9:30	1/9/2011 9:55	1/9/2011 9:55
2/4/2011 8:00	2/4/2011 8:00	2/4/2011 8:15	2/4/2011 8:25
2/16/2011 9:00	2/16/2011 9:00	2/16/2011 9:10	2/16/2011 9:25
2/28/2011 11:00	2/28/2011 11:00	2/28/2011 11:10	2/28/2011 11:45
5/5/2011 21:00	5/5/2011 21:00	5/5/2011 21:30	5/5/2011 22:00
5/11/2011 9:15	5/11/2011 9:15	5/11/2011 9:20	5/11/2011 9:25
6/25/2011 11:30	6/25/2011 11:30	6/25/2011 11:54	6/25/2011 12:55
8/19/2011 12:20	8/19/2011 12:20	8/19/2011 12:35	8/19/2011 12:40
8/22/2011 9:42	8/22/2011 9:42	8/22/2011 9:50	8/22/2011 10:00
8/29/2011 9:45	8/29/2011 9:45	8/29/2011 10:10	8/29/2011 10:30
8/26/2011 11:00	8/26/2011 11:00	8/26/2011 11:20	8/26/2011 11:35
9/15/2011 18:30	9/15/2011 18:45	9/15/2011 19:00	9/15/2011 20:15
9/27/2011 8:15	9/27/2011 8:15	9/27/2011 8:20	9/27/2011 8:45
10/5/2011 20:15	10/5/2011 20:15	10/5/2011 20:30	10/5/2011 21:30
10/9/2011 11:19	10/9/2011 11:19	10/9/2011 11:35	10/9/2011 11:40
11/21/2011 9:00	11/21/2011 9:00	11/21/2011 9:10	11/21/2011 9:25
11/22/2011 9:00	11/22/2011 9:00	11/22/2011 9:00	11/22/2011 9:15
11/23/2011 9:00	11/23/2011 9:30	11/23/2011 9:35	11/23/2011 9:40

Root intrusion  
Pipe structural problem/failure  
Root intrusion  
Grease deposition (FOG)  
Debri-General  
Debri-Rags  
Root intrusion  
Root intrusion  
Pipe structural problem/failure  
Root intrusion  
Debri-Rags  
Debri-Rags  
Root intrusion  
Root intrusion  
Root intrusion  
Other (specify below)  
Root intrusion  
Pipe structural problem/failure  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Pipe structural problem/failure  
Root intrusion  
Other (specify below)  
Root intrusion  
Other (specify below)  
Debri-General  
Grease deposition (FOG)  
Root intrusion  
Pipe structural problem/failure  
Other (specify below)  
Root intrusion  
Root intrusion  
Root intrusion  
Other (specify below)  
Grease deposition (FOG)  
Other (specify below)  
Debri-General  
Debri-Rags  
Root intrusion  
Debri-General  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Debri-Rags  
Pipe structural problem/failure  
Debri-Rags  
Grease deposition (FOG)  
Pipe structural problem/failure  
Debri-Rags  
Root intrusion  
Debri-Rags  
Other (specify below)

Pipe connection seperated where cast iron connected to poly.

and Rock

Roots were found growning in through the lateral of the neighboring house (112 Miramar) and into the sewer main thus bl

Roots and debris-rags

Our contractor found grit and rock in the main but after televising the line we found a hole where rock had entered the ma

A tree fell over in the back yard of 464 Fairhills and partially landing on the gravity sewer pipe creating a hole and allowin

A fiber optice contractor directionaly bored through out sewer pipe on Friday 9-3-10 which resulted in it filling up with rock

Team Ghilotti who is working on replacing our CMP came too close to the pipe with their trench and caused it to collapse

A corrugated metal pipe collapsed on Point San Pedro and backed up the system exiting a manhole on private property.  
Roots and Debris

Light root, rags and femine products  
Grease and light root  
Roots, grease and rags

Both Roots and Grease were the cause. Unable to select multiple causes.

Rags and roots

It was a combination of rags, rats, rock and toys

It was a combination of grit and rags.

We believe a blockage occurred after a plumber had cleared a private lateral and pushed the roots into our line. 122 Alte

[Main](#)

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## Main

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[Main](#)



Lower Bret Harte Easement 10' downstream from MH1247

Our power rodding crew was in the process of cleaning this line when they noticed the upstream manhole holding water.

6  
6

6

6 clay  
6 VCP

Before clearing the line they



Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Restored flow; Returned all or portion of spill to sanit

Replaced cast iron section of pipe leaving manhole with longer piece of C900, to make a stronger connection to the poly.

Dug up gravity sewer line to repair a broken lateral connection.

Added easement to our cleaning schedule to be hand rodded every year.

Removed dried solids from overflow and disinfected the area.

Instead of using the bypass pipe the contractor installed a bypass pump. This will be used until that section of CMP is repaired.

Initially we used our hydro to dewater the manholes but then set up a bypass pump to keep the system down while a repair was made. We brought the rod hole up to grade and built a wood retaining wall behind it to prevent it from being covered over as it is a catch basin.

Our Vactor truck immediately set up at the point where the water was entering the catch basin and removing water. A sewer pump out station was also set up to pump out the catch basin.

We cleaned and televised the line and found a lot of dirt and rock in the line but the did not show any defects. Approximately 100 feet of the line was cleaned.

We are currently working with the property owner on relandscaping a portion of their side yard.

The storm vault also have about 25 yards of silt, grit and rock built up in it which acted like a sponge. Our crews worked with the property owner to remove the material.

After televising the pipe we found a void and a piece of pipe obstructing the flow. We then conducted an emergency repair to the pipe.

While waiting for the Vactor to arrive our crews set out sand bags in the gutter pan and created a small ponding area to prevent water from entering the property.

1/10/2010 14:30

1/21/2010 10:45

1/6/2011 13:30

8/29/2011 18:00

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer;Other (specify below)

Added sewer to preventive maintenance program

In the initial RWQCB report, it states the est. spill volume is 3,750 gal, but in our final report, the est. spill volume is 1,875

This section of pipe was supposed to be replaced three months ago but was postponed due to the Governor's debate. It w



No

No

No

No

Did not see any sign of sewage in the water. The SSO occurred during a large rain storm that produced 7.5 inches of rain

clear

No

No

No

No

NA

NA

NA

San Rafael Canal

Sister's Creek

No surface waters were impacted

No water quality samples taken

No water quality samples taken

Other chemical indicator(s) - specify below

No water quality samples taken

The County of Marin Environmental Health Services did not feel it necessary to take water samples based on the amount

At 12:55 a water sample was taken downstream where the drainage channel exited into the creek and taken over to Cent

No water quality samples taken

No water quality samples taken

County Health Agency

No water quality samples taken



The sample was not required by the County of Marin Environmental Health Services, we took the sample to see how bad

the contamination was to the creek.

100195 1/11/2010 8:55

100520 1/21/2010 11:02

110094 1/6/2011 14:00

115120 8/29/2011 12:45



2SSO10184	Active	773815 Doris Toy	Certified
2SSO10184	Active	774091 Doris Toy	Certified
2SSO10184	Active	774476 Doris Toy	Certified
2SSO10184	Active	775034 Doris Toy	Certified
2SSO10184	Active	775597 Doris Toy	Certified
2SSO10184	Active	776117 Doris Toy	Certified
2SSO10184	Active	776333 Doris Toy	Certified
2SSO10184	Active	777069 Doris Toy	Certified
2SSO10184	Active	777487 Doris Toy	Certified
2SSO10184	Active	778485 Doris Toy	Certified
2SSO10184	Active	778566 Doris Toy	Certified
2SSO10184	Active	778674 Doris Toy	Certified
2SSO10184	Active	778763 Doris Toy	Certified
2SSO10184	Active	779250 Doris Toy	Certified
2SSO10184	Active	779576 Doris Toy	Certified
2SSO10184	Active	780102 Doris Toy	Certified
2SSO10184	Active	780578 Doris Toy	Certified
2SSO10184	Active	780678 Doris Toy	Certified
2SSO10184	Active	781698 Doris Toy	Certified
2SSO10184	Active	781792 Doris Toy	Certified
2SSO10184	Active	782231 Doris Toy	Certified
2SSO10184	Active	783575 Doris Toy	Certified
2SSO10184	Active	784784 Doris Toy	Certified
2SSO10184	Active	785258 Doris Toy	Certified
2SSO10184	Active	786655 Doris Toy	Certified
2SSO10184	Active	787385 Doris Toy	Certified
2SSO10184	Active	787938 Doris Toy	Certified
2SSO10184	Active	788772 Doris Toy	Certified
2SSO10184	Active	789132 Doris Toy	Certified
2SSO10184	Active	789175 Doris Toy	Certified
2SSO10184	Active	789208 Doris Toy	Certified
2SSO10184	Active	789336 Doris Toy	Certified
2SSO10184	Active	789454 Doris Toy	Certified
2SSO10184	Active	789607 Doris Toy	Certified
2SSO10184	Active	790620 Doris Toy	Certified
2SSO10184	Active	791214 Doris Toy	Certified
2SSO10184	Active	791223 Doris Toy	Certified
2SSO10184	Active	791836 Doris Toy	Certified
2SSO10184	Active	792133 Doris Toy	Certified
2SSO10184	Active	792350 Doris Toy	Certified
2SSO10184	Active	792608 Doris Toy	Certified
2SSO10184	Active	792660 Doris Toy	Certified
2SSO10184	Active	792728 Doris Toy	Certified
2SSO10184	Active	792860 Doris Toy	Certified
2SSO10184	Active	792905 Doris Toy	Certified
2SSO10184	Active	792906 Doris Toy	Certified
2SSO10184	Active	793040 Doris Toy	Certified
2SSO10184	Active	793041 Doris Toy	Certified
2SSO10184	Active	793263 Doris Toy	Certified
2SSO10184	Active	793568 Doris Toy	Certified
2SSO10184	Active	793569 Doris Toy	Certified
2SSO10184	Active	793583 Doris Toy	Certified
2SSO10184	Active	794145 Doris Toy	Certified
2SSO10184	Active	794147 Doris Toy	Certified
2SSO10184	Active	797133 Doris Toy	Certified

[illegible]

San Rafael	217424
San Rafael	871413
San Rafael	668600
San Rafael	375466
San Rafael	528516
San Rafael	444529
San Rafael Sanitation District	628039
San Rafael	293455
San Rafael	991575
San Rafael Sanitation District	159121
San Rafael Sanitation District	345016
San Rafael Sanitation District	595933
San Rafael Sanitation District	703815
San Rafael Sanitation District	806065
San Rafael Sanitation District	942632
San Rafael Sanitation District	260483
San Rafael Sanitation District	470157
San Rafael Sanitation District	590854
San Rafael Sanitation District	860589
San Rafael Sanitation District	143530
San Rafael Sanitation District	939969
San Rafael Sanitation District	626732
San Rafael Sanitation District	542161
San Rafael Sanitation District	687597
San Rafael	649586
San Rafael	716256
San Rafael	334280
San Rafael	335441
San Rafael	885410
San Rafael Sanitation District	589971
San Rafael Sanitation District	290143
San Rafael Sanitation District	658499
San Rafael Sanitation District	759675
San Rafael	965050
San Rafael	882834
San Rafael Sanitation District	409524
San Rafael Sanitation District	517668
San Rafael	424191
San Rafael	286059
San Rafael Sanitation District	959898
San Rafael Sanitation District	619091
San Rafael Sanitation District	414454
San Rafael Sanitation District	186307
San Rafael	588725
San Rafael	168989
San Rafael	266246
San Rafael Sanitation District	750037
San Rafael	972108
San Rafael	183080
San Rafael	642926
San Rafael	221703
San Rafael	699448
San Rafael	142257
San Rafael	519583
San Rafael Sanitation District	170969

8-Dec-11	12/8/2011	27-Dec-11	12/27/2011
14-Dec-11	12/14/2011	27-Dec-11	12/27/2011
21-Dec-11	12/21/2011	27-Dec-11	12/27/2011
30-Dec-11	12/30/2011	30-Dec-11	12/30/2011
10-Jan-12	1/10/2012	10-Jan-12	1/10/2012
20-Jan-12	1/20/2012	20-Jan-12	1/20/2012
24-Jan-12	1/24/2012	8-Mar-12	3/8/2012
9-Feb-12	2/9/2012	14-Feb-12	2/14/2012
15-Feb-12	2/15/2012	8-Mar-12	3/8/2012
8-Mar-12	3/8/2012	8-Mar-12	3/8/2012
12-Mar-12	3/12/2012	23-Mar-12	3/23/2012
15-Mar-12	3/15/2012	20-Mar-12	3/20/2012
16-Mar-12	3/16/2012	20-Mar-12	3/20/2012
29-Mar-12	3/29/2012	29-Mar-12	3/29/2012
5-Apr-12	4/5/2012	31-May-12	5/31/2012
16-Apr-12	4/16/2012	16-Apr-12	4/16/2012
25-Apr-12	4/25/2012	30-Apr-12	4/30/2012
26-Apr-12	4/26/2012	30-Apr-12	4/30/2012
30-May-12	5/30/2012	30-May-12	5/30/2012
4-Jun-12	6/4/2012	7-Aug-12	8/7/2012
18-Jun-12	6/18/2012	18-Jun-12	6/18/2012
17-Jul-12	7/17/2012	19-Jul-12	7/19/2012
8-Aug-12	8/8/2012	14-Aug-12	8/14/2012
20-Aug-12	8/20/2012	2-Oct-12	10/2/2012
27-Sep-12	9/27/2012	2-Oct-12	10/2/2012
22-Oct-12	10/22/2012	8-Nov-12	11/8/2012
8-Nov-12	11/8/2012	18-Dec-12	12/18/2012
5-Dec-12	12/5/2012	18-Dec-12	12/18/2012
18-Dec-12	12/18/2012	18-Dec-12	12/18/2012
19-Dec-12	12/19/2012	24-Dec-12	12/24/2012
20-Dec-12	12/20/2012	24-Dec-12	12/24/2012
24-Dec-12	12/24/2012	24-Dec-12	12/24/2012
27-Dec-12	12/27/2012	27-Dec-12	12/27/2012
3-Jan-13	1/3/2013	6-Mar-13	3/6/2013
22-Jan-13	1/22/2013	6-Mar-13	3/6/2013
4-Feb-13	2/4/2013	5-Feb-13	2/5/2013
5-Feb-13	2/5/2013	5-Feb-13	2/5/2013
20-Feb-13	2/20/2013	6-Mar-13	3/6/2013
26-Feb-13	2/26/2013	6-Mar-13	3/6/2013
5-Mar-13	3/5/2013	6-Mar-13	3/18/2013
13-Mar-13	3/13/2013	18-Mar-13	3/18/2013
15-Mar-13	3/15/2013	18-Mar-13	3/18/2013
19-Mar-13	3/19/2013	19-Mar-13	3/19/2013
25-Mar-13	3/25/2013	10-May-13	5/10/2013
26-Mar-13	3/26/2013	10-May-13	5/10/2013
26-Mar-13	3/26/2013	10-May-13	5/10/2013
29-Mar-13	3/29/2013	4-Apr-13	4/4/2013
29-Mar-13	3/29/2013	29-Mar-13	3/29/2013
9-Apr-13	4/9/2013	10-May-13	5/10/2013
23-Apr-13	4/23/2013	10-May-13	5/10/2013
23-Apr-13	4/23/2013	10-May-13	5/10/2013
23-Apr-13	4/23/2013	10-May-13	5/10/2013
14-May-13	5/14/2013	2-Jul-13	7/2/2013
14-May-13	5/14/2013	2-Jul-13	7/2/2013
24-Jul-13	7/24/2013	24-Jul-13	7/24/2013



Category 3	150	150
Category 3	50	25
Category 3	2	2
Category 3	5	5
Category 3	20	0
Category 3	3	0
Category 3	50	50
Category 3	50	50
Category 3	15	15
Category 3	5	4
Category 3	200	200
Category 3	10	10
Category 3	80	0
Category 3	50	0
Category 3	50	0
Category 3	10	0
Category 3	15	0
Category 1	150	0
Category 3	3	0
Category 3	15	0
Category 3	15	0
Category 3	15	15
Category 1	100	40
Category 3	20	20
Category 3	10	1
Category 3	10	10
Category 3	15	15
Category 3	50	50
Category 3	5	5
Category 3	15	15
Category 3	25	0
Category 1	300	0
Category 3	300	0
Category 3	25	15
Category 3	350	350
Category 1	1722	350
Category 3	300	300
Category 3	1	0
Category 3	5	0
Category 2	2735	1500
Category 3	75	75
Category 3	15	5
Category 3	8	1
Category 3	50	40
Category 3	4	0
Category 3	20	20
Category 3	5	0
Category 3	2	2
Category 3	15	0
Category 3	5	0
Category 3	5	0
Category 1	300	200
Category 3	30	0
Category 3	5	0
Category 3	2	0

0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
150 Yes	No
0 No	No
0 No	No
0 No	No
0 No	Yes
60 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
300 Yes	Yes
0 No	No
0 No	No
0 No	Yes
258 Yes	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
100 Yes	Yes
0 No	No
0 No	No
0 No	No

[illegible]

Yes

[illegible]

No

Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe

Yes

Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe

Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe

No

Yes

Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe

[illegible]

Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe

2143 5th Ave  
102 Elizabeth easement  
45 Bret Harte Rd  
95 East Crescent  
135 Fairhills  
11 Woodside  
54 Forbes  
Treanor and C  
Irwin & Tiburon  
232 Clorinda  
Riviera and Lagoon Rd.  
1580 Lincoln  
531 C St.  
230 Coleman  
41 Vineyard  
220 & 212 Clorinda  
46 Mooring  
732 Belle  
80 Manderly  
42 Edgewood  
71 Twin Oaks  
918 Mission Ave  
58 Villa  
209 3rd St  
6 Bay Ct  
79 Summit  
1447 4th  
5 Fairhills  
869 4th St  
Jewell & Eucalyptus  
101 Gloria  
Shaver & Latham  
81 San Pedro Easement  
Grand & Villa  
190 Riviera  
Kerner & Irene  
1553 Lincoln  
219 Center  
105 Oakmont  
17 Albion/108 Altena  
124 Glen Park  
Dollhouse  
316 Santa Margarita  
108 Ross Valley  
Grand and Belle  
78 Novato  
212 Courtright  
48 Summit  
14 Belloreid  
154 Maywood  
Quarry-Live Oak Estates easement  
Thomas Ct  
8 3rd St.  
31 Manzanita  
12 River Oaks

37.98128129	-122.5467945 Marin
37.98450484	-122.5399158 Marin
37.95352771	-122.5126292 Marin
37.97723063	-122.545784 Marin
37.98034126	-122.5399773 Marin
37.99242465	-122.4792596 Marin
37.97732762	-122.5355458 Marin
37.96951756	-122.5316599 Marin
37.95591054	-122.5151836 Marin
37.96838623	-122.5400548 Marin
37.98565217	-122.4678714 Marin
37.98391865	-122.5244134 Marin
37.9695332	-122.531689 Marin
37.98450314	-122.5287531 Marin
37.98506473	-122.5285776 Marin
37.96780169	-122.5397078 Marin
37.96710414	-122.508875 Marin
37.97720236	-122.5200331 Marin
37.97829243	-122.485958 Marin
37.98439269	-122.5375476 Marin
37.98190413	-122.5346157 Marin
37.97487665	-122.5260027 Marin
37.98521692	-122.5236586 Marin
37.96984293	-122.5153677 Marin
37.9721844	-122.4941964 Marin
37.97139349	-122.4958527 Marin
37.97339303	-122.5331073 Marin
37.97894517	-122.5381689 Marin
37.97275621	-122.5254036 Marin
37.97560164	-122.512101 Marin
37.96979479	-122.5404051 Marin
37.97294256	-122.5346215 Marin
37.96842782	-122.5069475 Marin
37.98356404	-122.5226774 Marin
37.98772033	-122.4683183 Marin
37.95705854	-122.499615 Marin
37.98198151	-122.5235819 Marin
37.97967598	-122.5424709 Marin
37.98597321	-122.5347037 Marin
37.95553984	-122.5107121 Marin
37.98492367	-122.5212671 Marin
37.98227635	-122.5417387 Marin
37.97832866	-122.5475912 Marin
37.97436058	-122.5510998 Marin
37.9750242	-122.5183542 Marin
37.96543988	-122.5049804 Marin
37.9639011	-122.5288764 Marin
37.97288599	-122.4963306 Marin
37.97711673	-122.546674 Marin
37.98386971	-122.5417215 Marin
37.98064571	-122.5340588 Marin
37.97838979	-122.5424454 Marin
37.96870692	-122.5111621 Marin
37.98109352	-122.4817326 Marin
37.98366131	-122.5514009 Marin

[illegible]

The actual SSO occurred at 220 Clorinda coming out of the contra costa valve and released into the front yard. The next

The SSO was from a manhole located on an easement behind 108 Altena.

door neighbor downstream at 212 Clori



Manhole  
Gravity sewer  
Manhole  
Other sewer system structure  
Other sewer system structure  
Manhole  
Other sewer system structure  
Other sewer system structure  
Manhole  
Other sewer system structure  
Force main or pressure sewer  
Other sewer system structure  
Other sewer system structure  
Gravity sewer  
Other sewer system structure  
Building or structure;Gravity sewer  
Other sewer system structure  
Gravity sewer  
Manhole  
Gravity sewer  
Gravity sewer  
Other sewer system structure  
Other (specify)  
Other sewer system structure  
Manhole  
Other sewer system structure  
Building or structure  
Other sewer system structure  
Other sewer system structure  
Manhole  
Manhole  
Gravity sewer;Manhole  
Gravity sewer  
Manhole  
Force main or pressure sewer;Other (specify)  
Force main or pressure sewer  
Manhole  
Other sewer system structure  
Gravity sewer;Manhole  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Manhole  
Manhole  
Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Manhole  
Gravity sewer  
Gravity sewer  
Other sewer system structure  
Other sewer system structure

mh1757

bubbled up through the ground from a rusted through corrugated metal pipe

private cleanout

Rod Hole

Private residential cleanout

Rod Hole R318

rod hole

Air Release Valve

Rod hole

Rod hole

private clean out

Contra costa valve at 220 Clorinda and shower drain at 212 Clorinda

Water exited out of the private clean out for 46 Mooring

The sso leaked out of a crack in a private lateral that runs along side a creek.

Rodhole

Rodhole number r815

The water came up through the roadway

Private cleanout for 209 3rd St

Rod Hole

The spill exited a private cleanout in front of the residence

private cleanout on sidewalk

Private Clean Out

A small force main break caused sewage to exit through a nearby water valve in the street.

The water district notified us about a possible break in our line from water appearing through cracks in the street at differe

private clean out in planter strip

After leaving the manhole the SSO flowed over land down a hillside and became visible along the roadway near 17 Albio

Burried manhole

Rod hole

Private clean out at rear of residence

Rod Hole

rod hole

rod hole

end of line rod hole on gravity sewer

spill exited private cleanout

rod hole

Separate storm drain;Street/curb and gutter  
Unpaved surface  
Other paved surface  
Other paved surface  
Unpaved surface  
Other paved surface  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Separate storm drain  
Separate storm drain;Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Building or structure;Unpaved surface  
Unpaved surface  
Surface water  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface;Separate storm drain  
Separate storm drain;Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Building or structure  
Other paved surface;Separate storm drain;Street/curb and gutter;Surface water;Unpaved surface  
Other paved surface;Separate storm drain;Street/curb and gutter  
Other paved surface;Street/curb and gutter  
Other paved surface;Street/curb and gutter;Unpaved surface  
Separate storm drain  
Unpaved surface  
Other paved surface;Street/curb and gutter;Unpaved surface  
Other paved surface;Separate storm drain;Street/curb and gutter  
Other paved surface;Separate storm drain;Street/curb and gutter;Surface water;Unpaved surface  
Other paved surface;Separate storm drain;Street/curb and gutter  
Unpaved surface  
Other paved surface  
Unpaved surface  
Other paved surface;Separate storm drain;Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Other paved surface;Unpaved surface  
Unpaved surface  
Unpaved surface  
Surface water  
Unpaved surface  
Unpaved surface  
Unpaved surface

The overflow was captured in a plugged storm water catch basin.

Creek

The overflow entered a small drainage ditch which led to a storm drain that ran under highway 101 and into Erwin Creek.

Our engineers calculated 1722 gallons were released onto the street over the course of 30 days (our pumpstation had onl

The SSO eventually drained into an unincorporated area of land called California Park.

12/5/2011 6:45	12/5/2011 6:45	12/5/2011 6:55	12/5/2011 7:00
12/13/2011 9:00	12/13/2011 9:00	12/13/2011 9:00	12/13/2011 9:05
12/17/2011 16:20	12/17/2011 16:20	12/17/2011 16:40	12/17/2011 16:45
12/23/2011 17:15	12/23/2011 17:15	12/23/2011 17:15	12/23/2011 18:15
1/7/2012 13:40	1/7/2012 13:40	1/7/2012 13:50	1/7/2012 14:10
1/19/2012 9:12	1/19/2012 9:12	1/19/2012 9:18	1/19/2012 9:20
1/23/2012 13:45	1/23/2012 13:45	1/23/2012 13:50	1/23/2012 13:55
2/8/2012 23:45	2/8/2012 23:45	2/9/2012 0:00	2/9/2012 0:30
2/14/2012 7:45	2/14/2012 7:45	2/14/2012 8:05	2/14/2012 8:10
3/2/2012 7:15	3/2/2012 7:15	3/2/2012 7:30	3/2/2012 7:40
3/9/2012 7:55	3/9/2012 7:55	3/9/2012 7:55	3/9/2012 8:15
3/14/2012 8:22	3/14/2012 8:22	3/14/2012 8:35	3/14/2012 8:50
3/15/2012 19:15	3/15/2012 19:15	3/15/2012 19:30	3/15/2012 20:00
3/26/2012 8:00	3/26/2012 8:00	3/26/2012 8:10	3/26/2012 9:00
4/3/2012 11:10	4/3/2012 11:10	4/3/2012 11:31	4/3/2012 11:36
4/6/2012 12:36	4/9/2012 6:30	4/9/2012 7:00	4/6/2012 12:36
4/24/2012 10:30	4/24/2012 10:30	4/24/2012 10:40	4/24/2012 10:45
4/24/2012 9:00	4/24/2012 9:00	4/24/2012 9:15	4/24/2012 9:30
5/29/2012 8:45	5/29/2012 8:45	5/29/2012 8:50	5/29/2012 8:55
5/30/2012 11:00	5/30/2012 11:00	5/30/2012 11:00	5/30/2012 11:20
6/16/2012 11:00	6/16/2012 11:00	6/16/2012 11:45	6/16/2012 12:30
7/16/2012 10:40	7/16/2012 10:40	7/16/2012 10:45	7/16/2012 10:50
8/5/2012 14:25	8/5/2012 15:40	8/5/2012 16:15	8/5/2012 15:55
8/17/2012 14:15	8/17/2012 14:15	8/17/2012 14:15	8/17/2012 14:25
9/21/2012 16:45	9/21/2012 16:45	9/21/2012 16:45	9/21/2012 18:00
10/15/2012 12:00	10/15/2012 12:00	10/15/2012 12:10	10/15/2012 12:15
11/2/2012 11:00	11/2/2012 11:00	11/2/2012 11:10	11/2/2012 11:15
12/3/2012 10:43	12/3/2012 10:43	12/3/2012 10:53	12/3/2012 11:03
12/13/2012 8:46	12/13/2012 8:46	12/13/2012 9:00	12/13/2012 9:01
12/19/2012 10:07	12/19/2012 10:07	12/19/2012 10:15	12/19/2012 10:20
12/19/2012 17:00	12/19/2012 17:00	12/19/2012 18:00	12/19/2012 18:30
12/24/2012 12:55	12/24/2012 12:55	12/24/2012 13:25	12/24/2012 14:25
12/23/2012 12:30	12/23/2012 12:30	12/23/2012 12:45	12/23/2012 13:30
1/2/2013 12:00	1/2/2013 12:00	1/2/2013 12:08	1/2/2013 12:10
1/18/2013 11:10	1/18/2013 11:10	1/18/2013 11:18	1/18/2013 12:00
1/1/2013 11:20	1/31/2013 11:20	1/31/2013 11:20	1/31/2013 11:23
1/29/2013 9:00	1/29/2013 9:00	1/29/2013 9:07	1/29/2013 9:10
2/19/2013 15:15	2/19/2013 15:15	2/19/2013 15:15	2/19/2013 15:45
2/25/2013 17:25	2/25/2013 17:25	2/25/2013 17:45	2/25/2013 17:45
3/1/2013 14:30	3/1/2013 14:30	3/1/2013 14:45	3/1/2013 15:30
3/12/2013 0:00	3/12/2013 16:00	3/12/2013 16:30	3/12/2013 17:15
3/14/2013 9:55	3/14/2013 9:55	3/14/2013 10:03	3/14/2013 10:14
3/18/2013 13:00	3/18/2013 13:00	3/18/2013 13:15	3/18/2013 13:25
3/22/2013 8:20	3/22/2013 8:20	3/22/2013 8:26	3/22/2013 8:50
3/14/2013 6:30	3/14/2013 6:30	3/14/2013 7:08	3/14/2013 7:18
3/24/2013 14:15	3/24/2013 14:15	3/24/2013 15:15	3/24/2013 15:30
3/28/2013 14:30	3/28/2013 14:30	3/28/2013 14:45	3/28/2013 14:45
3/28/2013 11:50	3/28/2013 11:50	3/28/2013 11:53	3/28/2013 12:00
4/8/2013 15:57	4/8/2013 15:57	4/8/2013 16:45	4/8/2013 17:30
4/18/2013 9:15	4/18/2013 9:15	4/18/2013 9:20	4/18/2013 9:50
4/22/2013 10:06	4/22/2013 10:06	4/22/2013 10:15	4/22/2013 10:15
4/22/2013 8:10	4/22/2013 8:10	4/22/2013 8:18	4/22/2013 8:20
5/11/2013 21:00	5/11/2013 21:15	5/11/2013 21:00	5/11/2013 23:00
5/12/2013 10:00	5/12/2013 10:00	5/12/2013 10:22	5/12/2013 10:45
7/18/2013 11:00	7/18/2013 11:00	7/18/2013 11:15	7/18/2013 11:15

Debri-Rags  
Pipe structural problem/failure  
Root intrusion  
Pipe structural problem/failure  
Root intrusion  
Debri-Rags  
Root intrusion  
Debri-Rags  
Root intrusion  
Root intrusion  
Pipe structural problem/failure  
Other (specify below)  
Pipe structural problem/failure  
Pipe structural problem/failure  
Root intrusion  
Debri-Rags  
Grease deposition (FOG)  
Vandalism  
Debri-Rags  
Pipe structural problem/failure  
Root intrusion  
Root intrusion  
Other (specify below)  
Grease deposition (FOG)  
Other (specify below)  
Root intrusion  
Root intrusion  
Pipe structural problem/failure  
Debri-General  
Debri-Rags  
Root intrusion  
Surcharged pipe (Combined CS Only)  
Root intrusion  
Debri-Rags  
Pipe structural problem/failure  
Pipe structural problem/failure  
Debri-Rags  
Debri-Rags  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Debri-General  
Pipe structural problem/failure  
Grease deposition (FOG)  
Other (specify below)  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Debri-Rags  
Root intrusion  
Root intrusion  
Debri-Rags

#### Roots and Rags

Our crews were in the process of cleaning this section of pipe and inadvertently created a blockage. A portion of CMP p  
And Grease

#### Rags and Roots

After cleaning and televising our main we found heavy root intrusion coming in from a private lateral. We are in the process

#### FOG and Debris

combination of debris and offsets

A large tree in the neighbors yard at 226 Coleman fell over and crushed our line.

After televising our main line we found a broken section of pipe with fresh concrete protruding into our main. Once we located  
Heavy rags and medium root

During routine cleaning our crews found a joint that had separated and had a slow weep.

Roots and rags were involved.

The cause was a combination of roots, grease and rags.

#### FOG and Root intrusion

The amount of rainfall infiltration was too much for the pipe to handle.

Upon excavation we found a small hole had formed in the 6 inch Asbestos-Cement Pipe. We are unsure how the hole came

A root blockage occurred in a buried manhole that we were unaware existed.

A woman with a newborn across the street has been flushing all the wet wipes down the drain. After CCTV, we discovered  
with minor root intrusion

[illegible]



Air Release Valve malfunction

The cause of the SSO is unknown but the plumber pulled a lot of feminine products out of the line. After we tv'd the main We believe the fencing contractor (Above the Rest) inadvertently punctured our pipe while digging the hole for the fence |

The overflow exited a broken or uncapped lateral near 58 Villa Ave.

The overflow occurred where the pipe size reduced.

Force main from the Kerner A pumpstation in an industrial part of San Rafael.

we found the lateral connec  
post.

6 VCP

6 ACP





Our crews sucked up all the water and debris from the catch basin.

After clearing the blockage we televised the line and found 40' of CMP with portions of pipe that had rotted through. We

Our crews removed about 4 gallons of contaminated soil from the back yard of 232 Clorinda.

We also televised (CCTV) the rest of the easement to see if any other parts had been affected.

The call came in Friday afternoon while we were off due to a furlough and did not get relayed to our after hours contracto

We installed an inflatable pipe plug upstream to divert the water into a larger pipe.

Turned off pumps, washed down the street and cleaned the storm drain pipe.

Our crews along with Roto-Rooter (our after hours contractor) removed any contaminated earth that we could access. Ap

We have spoke to the woman who flushed the wipes and informed her not to flush them. And we repaired the void on Ap

The water level in the rod hole was down when we arrived. After clearing the soft blockage we cleaned up the solids, ren

4/24/2012 10:00

8/5/2012 17:30

12/24/2012 14:25

1/31/2013 13:00

3/4/2013 14:00

4/22/2013 11:30

Repaired sewer;Other (specify below)

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer;Repaired sewer

Other (specify below)

Repaired sewer

We are in communication with the fence contractor (Above the Rest) and they are in the process of making a repair to ou

Until rehabilitation of the sewer can take occur, we are going to install an inflatable pipe plug and increase the size of wiew

Instructed our personnel that maintenance on this line needs to be done twice a year.

After televising we found a crack in the bottom of a rodding inlet. We replaced that section of pipe and removed the rod l



Yes

Yes

No

Yes

No

No

We did not find any solids around the area of the sso or in affected creek.

We saw no evidence of an overflow enter Erwin Creek.

All clear

We did not feel it necessary to post signs based on the drainage canal is fully enclosed in fencing to where it enters the sl

no impact on receiving waters

clear

Yes

Yes

No

No

Yes

Yes



Sister's Creek

Erwin Creek

The overflow entered storm drainage which fed into the San Rafael Creek and eventually into the San Rafael Canal.

San Pablo Bay

Mahon Creek

Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

No water quality samples taken

Other (specify below)

No water quality samples taken;Not applicable to this spill

Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

2 sets of samples were taken. One set was taken to the Marin County Public Health Laboratory and the other was taken to

Water samples were collected and taken to the Central Marin Sanitation Agency and tested for total coliform, E. coli and

Ammonia, Enterococcus and Fecal Coliform.

Fecal and total coliform and Enterococcus

County Health Agency

County Health Agency

None of the above

County Health Agency

None of the above

County Health Agency



Rob Cole the Environmental Services Manager at CMSA has been in contact with Rebecca Ng the Deputy Director for the

We were directed by the County of Marin Environmental Health Services that sampling was not needed

The samples are being taken to the lab at Central Marin Sanitation Agency for analyzing.

ə Environmental Health Services. Rebecca advised us to take two days of water sampling.

122430	4/24/2012 9:45
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124559	8/5/2012 16:50
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127844	12/24/2012 14:50
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130664	1/31/2013 12:52
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131258	3/1/2013 16:03
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132387	4/22/2013 9:13
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2SSO10184	Active	797738 Doris Toy	Certified
2SSO10184	Active	798277 Doris Toy	Certified
2SSO10184	Active	798590 Doris Toy	Certified
2SSO10184	Active	798870 Doris Toy	Certified
2SSO10184	Active	799203 Doris Toy	Certified
2SSO10184	Active	799286 Doris Toy	Certified
2SSO10184	Active	800270 David Bernardi	Certified
2SSO10184	Active	800418 David Bernardi	Certified
2SSO10184	Active	800507 David Bernardi	Certified
2SSO10184	Active	800576 David Bernardi	Certified
2SSO10185	Active	706685 Barry Hogue	Certified
2SSO10185	Active	707533 Barry Hogue	Certified
2SSO10185	Active	707559 Barry Hogue	Certified
2SSO10185	Active	707756 Barry Hogue	Certified
2SSO10185	Active	707758 Barry Hogue	Certified
2SSO10185	Active	708767 Barry Hogue	Certified
2SSO10185	Active	710426 Barry Hogue	Certified
2SSO10185	Active	710634 Barry Hogue	Certified
2SSO10185	Active	712714 Barry Hogue	Certified
2SSO10185	Active	716043 Barry Hogue	Certified
2SSO10185	Active	716732 Barry Hogue	Certified
2SSO10185	Active	718766 Barry Hogue	Certified
2SSO10185	Active	719000 Barry Hogue	Certified
2SSO10185	Active	721450 Barry Hogue	Certified
2SSO10185	Active	727782 Barry Hogue	Certified
2SSO10185	Active	728994 Barry Hogue	Certified
2SSO10185	Active	729966 Barry Hogue	Certified
2SSO10185	Active	731371 Barry Hogue	Certified
2SSO10185	Active	733217 Barry Hogue	Certified
2SSO10185	Active	734949 Barry Hogue	Certified
2SSO10185	Active	736288 Barry Hogue	Certified
2SSO10185	Active	736578 Barry Hogue	Certified
2SSO10185	Active	741594 Barry Hogue	Certified
2SSO10185	Active	742573 Barry Hogue	Certified
2SSO10185	Active	746722 Barry Hogue	Certified
2SSO10185	Active	750582 Barry Hogue	Certified
2SSO10185	Active	751484 Barry Hogue	Certified
2SSO10185	Active	758551 Barry Hogue	Certified
2SSO10185	Active	758898 Barry Hogue	Certified
2SSO10185	Active	770446 Barry Hogue	Certified
2SSO10185	Active	789211 Barry Hogue	Certified
2SSO10185	Active	792152 Barry Hogue	Certified
2SSO10185	Active	792155 Barry Hogue	Certified
2SSO10187	Active	652658 John Peterson	Certified
2SSO10187	Active	655138	Work In Progress
2SSO10187	Active	709256 R.Saunders	Certified
2SSO10187	Active	715049	Work In Progress
2SSO10187	Active	721568 Alan Kurotori	Certified
2SSO10187	Active	724121 Alan Kurotori	Certified
2SSO10187	Active	731476 Ron Enos	Certified
2SSO10187	Active	731477	Work In Progress
2SSO10187	Active	731901 Ron Enos	Certified
2SSO10187	Active	732854 Ron Enos	Certified
2SSO10187	Active	735308 Ron Enos	Certified
2SSO10187	Active	736950 RON ENOS	Certified

District Manager  
District Manager  
District Manager  
District Manager  
District Manager  
District Manager  
Interim District Manager  
Interim District Manager  
Interim District Manager  
Interim District Manager  
Sanitary Services Manager  
Sanitary Services Manager  
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Sanitary Services Manager  
Sanitary Services Manager  
Sanitary Services Manager  
Director of Public Works  
Director of Public Works  
Director of Public Works  
Director of Public Works  
Sanitary Sewer Superintendent

Director Water and Sewer Utilities

Director of Water & Sewer  
Director of Water & Sewer  
Sewer Superintendent

Sewer Superintendent  
Sewer Superintendent  
Water Superintendent  
**WATER SUPERINTENENT**

San Rafael	515475	
San Rafael Sanitation District	126294	
San Rafael Sanitation District	688229	
San Rafael Sanitation District	574565	
San Rafael Sanitation District	428661	
San Rafael	255175	
San Rafael	670976	
San Rafael	715097	
San Rafael	957697	
San Rafael	369116	
Town of Corte Madera	214596	
Corte Madera	404636	
Corte Madera	357829	
Corte Madera	615033	
Corte Madera	691710	
Corte Madera	395656	
Corte Madera	578529	
Corte Madera	895099	
Corte Madera	305144	
Corte Madera	633886	
Corte Madera	711079	
Corte Madera	698816	
Corte Madera	890770	
Corte Madera	724775	
Corte Madera	999805	
Corte Madera	962105	
Corte Madera	577601	
Corte Madera	975173	
Corte Madera	796096	
Corte Madera	627486	
Corte Madera	582749	
Corte Madera	719554	
Corte Madera	412144	
Corte Madera	724903	
Corte Madera	899357	
Corte Madera	479190	
Corte Madera	429550	
Corte Madera	511084	
Corte Madera	585467	
Corte Madera	295282	
Corte Madera	249072	
Corte Madera	984071	
Corte Madera	774357	
CSC	234013	
City of Santa Clara	942809	
	7/7/2008	787840
City of Santa Clara		429836
	14:13	534433
	13:21	350535
	8:31	603006
	14:02	412745
	12:36	670913

12-Aug-13	8/12/2013	15-Aug-13	8/15/2013
28-Aug-13	8/28/2013	28-Aug-13	8/28/2013
9-Sep-13	9/9/2013	2-Oct-13	10/2/2013
18-Sep-13	9/18/2013	2-Oct-13	10/2/2013
27-Sep-13	9/27/2013	30-Sep-13	9/30/2013
1-Oct-13	10/1/2013	17-Oct-13	10/17/2013
28-Oct-13	10/28/2013	1-Nov-13	11/1/2013
31-Oct-13	10/31/2013	1-Nov-13	11/1/2013
5-Nov-13	11/5/2013	5-Nov-13	11/5/2013
7-Nov-13	11/7/2013	14-Nov-13	11/14/2013
26-Oct-07		5-Nov-07	11/5/2007
9-Nov-07		14-Nov-07	11/14/2007
13-Nov-07		15-Nov-07	11/15/2007
15-Nov-07		19-Nov-07	2/14/2011
15-Nov-07		19-Nov-07	11/19/2007
5-Dec-07		11-Dec-07	2/14/2011
27-Dec-07		14-Feb-11	2/14/2011
2-Jan-08		8-Jan-08	1/8/2008
12-Feb-08		19-Feb-08	2/19/2008
10-Apr-08		15-Apr-08	4/15/2008
29-Apr-08		29-Apr-08	4/29/2008
3-Jun-08		6-Jun-08	6/6/2008
5-Jun-08		6-Jun-08	6/6/2008
3-Jul-08		10-Jul-08	7/10/2008
13-Oct-08		15-Oct-08	10/15/2008
6-Nov-08		6-Nov-08	11/6/2008
1-Dec-08		1-Dec-08	12/1/2008
3-Jan-09		5-Jan-09	1/5/2009
6-Feb-09		26-Feb-09	2/26/2009
15-Mar-09		16-Mar-09	3/16/2009
13-Apr-09		13-Apr-09	4/13/2009
21-Apr-09		21-Apr-09	4/21/2009
21-Jul-09		28-Jul-09	7/28/2009
6-Aug-09		6-Aug-09	8/6/2009
12-Nov-09		12-Nov-09	11/12/2009
15-Mar-10		15-Mar-10	3/15/2010
12-Apr-10		13-Apr-10	4/13/2010
15-Nov-10	11/18/2010	18-Nov-10	11/18/2010
24-Nov-10	11/24/2010	24-Nov-10	11/24/2010
29-Aug-11	8/29/2011	29-Aug-11	8/29/2011
20-Dec-12	12/20/2012	8-Jan-13	1/8/2013
26-Feb-13	2/26/2013	26-Feb-13	2/26/2013
26-Feb-13	2/26/2013	26-Feb-13	2/26/2013
22-Jun-07		17-Jul-07	7/17/2007
2-Aug-07		2-Aug-07	
13-Dec-07		13-Dec-07	12/13/2007
19-Mar-08		19-Mar-08	
7-Jul-08		7-Jul-08	7/7/2008
4-Aug-08		5-Aug-08	8/5/2008
6-Jan-09		6-Jan-09	1/6/2009
6-Jan-09		6-Jan-09	
15-Jan-09		15-Jan-09	1/15/2009
2-Feb-09		2-Feb-09	2/2/2009
20-Mar-09		20-Mar-09	3/23/2009
29-Apr-09		29-Apr-09	4/29/2009



Category 3		700	700
Category 3		50	0
Category 3	50	50	0
Category 3	40	40	0
Category 3	0	200	200
Category 3	75	75	75
Category 3	50	50	50
Category 3	1	1	1
Category 3	100	100	100
Category 3	10	10	10
Category 3		250	250
Category 3		450	450
Category 3		700	700
Category 3		60	60
Category 3		45	45
Category 3		60	60
Category 3		80	80
Category 3		20	20
Category 3		40	40
Category 1		480	360
Category 3		20	20
Category 3		50	20
Category 3		10	0
Category 3		15	0
Category 3		30	30
Category 3		25	25
Category 3		15	15
Category 3		25	25
Category 3		120	120
Category 3		20	20
Category 3		18	18
Category 3		30	30
Category 3		30	30
Category 3		15	15
Category 3		50	50
Category 3		50	50
Category 3		25	25
Category 3		25	25
Category 3		15	15
Category 3		5	5
Category 1		10	10
Category 1		20	20
Category 1		2	2
Category 2		3300	3000
Category 1		850	0
Category 3		3	3
Category 3		60	60
Category 3		1	1
Category 3		50	50
Category 3		25	25
Category 3		5	5
Category 3		25	25
Category 3		12	12
Category 1		930	790
Category 1		900	855

0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	Yes
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0 No	No
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120 Yes	Yes
0 No	No
0 No	No
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0 No	No
0 No	No
0 No	No
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0 No	No
0 No	Yes
1 No	Yes
1 No	Yes
1 No	Yes
0 No	No
850 No	Yes
No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
140 Yes	Yes
45 Yes	Yes

Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe

Not Applicable - Spill did not reach a separate storm drainpipe  
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[illegible]

Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe

Yes

Not Applicable - Spill did not reach a separate storm drainpipe

Yes

Yes

No

Not Applicable - Spill did not reach a separate storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe

No

902 Lincoln  
121 Dominican Dr.  
33 Albion  
241 Santa Margarita Dr.  
76 Manderly  
306 G St.  
301 Belle Ave  
40 Windsor  
20 Warner Ct  
185 Bahia Circle  
451 Montecito  
15 Koch Rd.  
15 Koch Rd.  
Gold's Gym  
472 Montecito  
Harbor & Yolo  
Chapman & Willow  
1065 Meadowsweet  
70 Corte Madera Ave  
Paridise Cay  
1069 Meadowsweet  
Antilles  
167 Elm  
145 Summit  
516 Corte Madera Ave.  
454 Chapman Dr.  
113 Privateer  
100 Tamal Vista  
#4 Paradise  
445 Montecito  
179 Elm  
4925 Paradise  
125 Pixley  
451 Montecito  
5 Alta Terrace  
13 San Clemente  
459 Montecito Ave.  
202 Taylor Rd.  
1044 Meadowsweet Dr  
300 Corte Madera Ave.  
Pardise Cay  
Chapman  
Grove  
MH #114-01 @ Hwy237  
wood duck  
Crystal Drive  
5301 patrick henry  
734 raney ct.  
1153 loyola  
724 Hilmar Street  
668 Starr Court  
2357 El Camino Real  
1183 civic center dr.  
WALSH CREEK BETWEEN WALSH AVE. and CENTRAL EXPY.  
SAN TOMAS AQUINO CREEK BETWEEN WALSH AVE. AND CENTRAL EXPY.

37.97182408	-122.5239016 Marin
37.98583303	-122.5188979 Marin
37.95626064	-122.5090769 Marin
37.97928807	-122.5488212 Marin
37.9784177	-122.4863792 Marin
37.97593795	-122.536582 Marin
37.97315061	-122.514554 Marin
37.98358459	-122.5445906 Marin
37.96742925	-122.5283837 Marin
37.96663265	-122.4988678 Marin
37.921542	122.52825 Marin
37.918967	122.510767 Marin
37.918889	122.510833 Marin
37.93824	-122.518 Marin
37.919444	122.527778 Marin
37.92319	-122.50891 Marin
37.921894	122.527175 Marin
37.915603	122.515083 Marin
37.926864	122.530778 Marin
37.912697	122.477511 Marin
37.914819	122.514567 Marin
37.911967	122.478444 Marin
37.931931	122.526381 Marin
37.922547	122.534994 Marin
37.921094	122.529192 Marin
37.922592	122.525797 Marin
37.919908	122.49805 Marin
37.935542	122.518794 Marin
37.911222	122.478056 Marin
37.92205	-122.528428 Marin
37.931883	-122.526825 Marin
37.915064	122.479706 Marin
37.928411	-122.526022 Marin
37.922153	-122.528503 Marin
37.919608	-122.524244 Marin
37.921953	-122.511039 Marin
37.922156	-122.528489 Marin
37.915483	-122.484522 Marin
37.918456	-122.513447 Marin
37.924339	-122.528686 Marin
37.912786	-122.476636 Marin
37.922847	-122.525758 Marin
37.923519	-122.529411 Marin
37.418611	121.966944 Santa Clara
37.345781	-121.997706 Santa Clara
37.367222	121.983611 Santa Clara
37.408363	-121.984811 Santa Clara
37.338889	121.967222 Santa Clara
37.347094	121.971011 Santa Clara
37.342092	121.934681 Santa Clara
37.335175	-121.973608 Santa Clara
37.352525	121.966725 Santa Clara
37.354731	121.949711 Santa Clara
37.371869	-121.968348 Santa Clara
37.369589	-121.965261 Santa Clara

[illegible]

Our crews were in the area and found evidence of a recent backup around a rod hole.

North Entrance of Koch Industrial Park

Intersection

Private Clean out @ 70 Corte Madera Ave

Spill site is behind 300 Corte Madera Ave on Montecito

Downstream of Manhole 114-01 beneath HWY237 embankment.

Toilet overflowed inside residence  
gutter line  
from property line c/o in yard  
from manhole into gutter.

originated at 2665 South Drive  
originated at 2665 SOUTH DRIVE

1  
1  
1  
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3  
1  
1  
1



Other sewer system structure  
Gravity sewer  
Manhole  
Gravity Mainline  
Manhole  
Lateral Clean Out (Private)  
Inside Building or Structure;Lateral Clean Out (Private)  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole  
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Other (specify)  
Manhole  
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Other sewer system structure  
Other (specify)  
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Manhole  
Combined sewer D.I.  
Other (specify)  
Manhole  
Manhole  
Manhole  
Force main or pressure sewer  
Manhole  
Building or structure  
Other (specify)  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Other (specify)  
Other (specify)  
Other (specify)  
Other (specify)

Private cleanout

The spill exited through a clean out and lateral line under the driveway at 303 Belle Ave and through a toilet at 301 Belle .  
Rod Hole

Even though the blockage was in the main sewer line it appeared at the Private clean-out of 70 Corte Madera Ave

Clean out  
Clean out

Clean Out

Seepage out of embankment

Toilet overflowed backup relating to removing blockage with hydro-flusher  
property line clean out

property line c/o  
property line c/o  
under gound getting into storm line  
underground getting into storm line

Other paved surface;Separate storm drain;Street/curb and gutter

Unpaved surface

Unpaved surface

Unpaved surface

Separate Storm Drain

Paved Surface

Street/Curb and Gutter

Separate Storm Drain

Street/Curb and Gutter

Separate Storm Drain;Unpaved surface

Storm drain

Other (specify below)

Other (specify below)

Street/curb and gutter

Street/curb and gutter

Separate storm drain

Storm drain

Storm drain;Street/curb and gutter

Unpaved surface

Storm drain;Surface water

Storm drain

Other (specify below)

Unpaved surface

Unpaved surface

Other (specify below)

Unpaved surface

Street/curb and gutter

Street/curb and gutter

Storm drain;Street/curb and gutter

Street/curb and gutter

Unpaved surface

Unpaved surface

Storm drain

Street/curb and gutter

Street/curb and gutter

Storm drain

Storm drain

Street/curb and gutter

Surface water

Separate storm drain;Street/curb and gutter

Separate storm drain;Street/curb and gutter

Separate storm drain

Separate storm drain

Unpaved surface

Other paved surface

Building or structure

Street/curb and gutter

Unpaved surface

Street/curb and gutter

Storm drain

Street/curb and gutter

Street/curb and gutter

Street/curb and gutter

Other (specify below)

Other (specify below)

After leaving the manhole the water flowed down the street and into an unpaved surface in the county right of way.

They found about 1 gallon of water ponding in the bottom of a nearby storm drain.

By the time I arrived at 11 pm the overflow had ceased. I then went to the furthest downstream storm drain inlet to sandt  
Contained in storm drain and removed with vacuum truck

Spill was contained in the storm drain systems of the industrail complex. The storm drain system drains into a wet well / p  
Industrial complex storm drain system that ends in a wet well & pump station. Pumps were turned off and the spill was co

Storm drain was blocked off with a inflatable plug down stream at a dry location. Then storm drain was vactored clean & :

Spill ended up in a Non-Landscape area between house and fence

Landscaped Back Yard

Clear sewage was absorbed into the ground

Owners Yard, where it was shoveled up into Bags and disposed of in Debris box

Earth dam placed down stream in the gutter and liquid was vactored up

Spill drained off the road to a ditch alojng side the road. Spill was then vactored up out of the ditch along with the mudat t

spill contained, and returned to sanitary sewer system.

in storm line to outfall of SAN TOMAS CREEK

in storm line to outfall of SAN TOMAS AQUINO CREEK

8/9/2013 15:05	8/9/2013 15:05	8/9/2013 15:40	8/9/2013 16:15
8/27/2013 13:21	8/27/2013 13:21	8/27/2013 13:30	8/27/2013 13:40
9/6/2013 7:43	9/6/2013 7:45	9/6/2013 7:47	9/6/2013 7:47
9/14/2013 9:30	9/14/2013 9:30	9/14/2013 10:20	9/14/2013 11:00
9/23/2013 10:20	9/23/2013 10:20	9/23/2013 10:28	9/23/2013 10:29
9/30/2013 14:18	9/30/2013 14:24	9/30/2013 14:40	9/30/2013 14:40
10/20/2013 10:20	10/20/2013 10:20	10/20/2013 10:30	10/20/2013 10:50
10/30/2013 9:45	10/30/2013 9:45	10/30/2013 9:45	10/30/2013 9:45
11/2/2013 17:30	11/2/2013 17:30	11/2/2013 17:35	11/2/2013 18:00
11/6/2013 21:45	11/6/2013 21:45	11/6/2013 22:45	11/6/2013 23:00
10/18/2007 8:30	10/18/2007 8:30	10/18/2007 8:45	10/18/2007 9:00
11/8/2007 8:32	11/8/2007 8:36	11/8/2007 8:41	11/8/2007 9:17
11/11/2007 11:20	11/11/2007 11:30	11/11/2007 11:45	11/11/2007 12:30
11/13/2007 11:26	11/13/2007 11:28	11/13/2007 11:30	11/13/2007 11:57
11/14/2007 17:20	11/14/2007 17:35	11/14/2007 17:45	11/14/2007 18:06
12/4/2007 20:00	12/4/2007 20:06	12/4/2007 20:15	12/4/2007 20:20
12/26/2007 18:20	12/26/2007 18:22	12/26/2007 18:30	12/26/2007 18:45
12/31/2007 11:58	12/31/2007 12:00	12/31/2007 12:05	12/31/2007 12:20
2/10/2008 3:30	2/10/2008 3:45	2/10/2008 3:55	2/10/2008 4:10
4/10/2008 7:48	4/10/2008 8:45	4/10/2008 8:55	4/10/2008 9:08
4/25/2008 12:30	4/25/2008 12:40	4/25/2008 12:45	4/25/2008 12:50
6/3/2008 9:15	6/3/2008 9:25	6/3/2008 9:35	6/3/2008 12:30
8/3/2007 16:00	8/3/2007 16:10	8/3/2007 16:20	8/3/2007 16:30
7/1/2008 15:05	7/1/2008 15:10	7/1/2008 15:20	7/1/2008 15:35
10/13/2008 2:30	10/13/2008 2:34	10/13/2008 2:45	10/13/2008 3:30
11/4/2008 21:00	11/4/2008 22:00	11/4/2008 22:15	11/4/2008 22:25
11/28/2008 11:55	11/28/2008 12:03	11/28/2008 12:15	11/28/2008 0:25
1/3/2009 8:05	1/3/2009 8:10	1/3/2009 8:20	1/3/2009 8:30
2/6/2009 9:15	2/6/2009 9:20	2/6/2009 9:35	2/6/2009 9:45
3/14/2009 7:55	3/14/2009 8:00	3/14/2009 8:10	3/14/2009 8:15
4/11/2009 9:30	4/11/2009 9:40	4/11/2009 9:50	4/11/2009 12:30
4/20/2009 9:30	4/20/2009 9:40	4/20/2009 9:40	4/20/2009 9:35
7/21/2009 10:05	7/21/2009 10:08	7/21/2009 10:15	7/21/2009 10:20
8/6/2009 0:40	8/6/2009 18:45	8/6/2009 18:55	8/6/2009 19:10
11/11/2009 11:05	11/11/2009 11:15	11/11/2009 11:30	11/11/2009 11:45
3/15/2010 10:30	3/15/2010 10:32	3/15/2010 10:37	3/15/2010 0:50
3/31/2010 8:30	3/31/2010 8:35	3/31/2010 8:42	3/31/2010 8:48
11/15/2010 13:15	11/15/2010 13:20	11/15/2010 13:24	11/15/2010 13:40
11/24/2010 11:30	11/24/2010 11:35	11/24/2010 11:40	11/24/2010 11:45
8/27/2011 18:20	8/27/2011 18:30	8/27/2011 18:45	8/27/2011 19:00
12/17/2012 7:54	12/17/2012 7:55	12/17/2012 8:04	12/17/2012 7:55
2/26/2013 8:10	2/26/2013 8:13	2/26/2013 8:18	2/26/2013 8:24
2/26/2013 8:10	2/26/2013 8:13	2/26/2013 8:16	2/26/2013 8:20
6/14/2007 9:00	6/15/2007 10:00	6/15/2007 11:00	6/21/2007 5:00
7/31/2007 19:30	7/31/2007 19:56	7/31/2007 20:30	7/31/2007 21:00
11/25/2007 12:15	11/25/2007 12:30	11/25/2007 13:30	11/25/2007 0:00
3/19/2008 12:20	3/19/2008 12:25	3/19/2008 12:40	3/19/2008 12:58
7/6/2008 11:05	7/6/2008 11:05	7/6/2008 11:45	7/6/2008 12:20
8/2/2008 10:17	8/2/2008 10:19	8/2/2008 10:30	8/2/2008 11:15
1/5/2009 8:34	1/5/2009 8:45	1/5/2009 8:55	1/5/2009 10:00
1/5/2009 11:05	1/5/2009 11:30	1/5/2009 11:30	1/5/2009 12:00
1/14/2009 20:26	1/14/2009 20:33	1/14/2009 21:00	1/14/2009 21:30
1/30/2009 12:16	1/30/2009 12:16	1/30/2009 12:40	1/30/2009 13:45
3/20/2009 13:45	3/20/2009 13:45	3/20/2009 13:45	3/22/2009 15:45
4/28/2009 15:00	4/28/2009 15:15	4/28/2009 15:30	4/28/2009 18:15

Pipe structural problem/failure  
Root intrusion  
Root Intrusion  
Root Intrusion  
Damage by Others Not Related to CS Construction/Maintenance (Specify Below)  
Root Intrusion  
Debris-Rags  
Debris-General  
Debris-Rags  
Grease Deposition (FOG)  
Root intrusion  
Root intrusion  
Other (specify below)  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Other (specify below)  
Grease deposition (FOG)  
Debris  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Pump station failure  
Debris-Rags  
Root intrusion  
Root intrusion  
Pipe structural problem/failure  
Root intrusion  
Debris-General  
Debris-General  
Debris-General  
Debris-Rags  
Pipe structural problem/failure  
Debris-General  
Other (specify below)  
Root intrusion  
Operator error  
Root intrusion  
Grease deposition (FOG)  
Debris  
Grease deposition (FOG)  
Other (specify below)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Pipe structural problem/failure  
Pipe structural problem/failure

The contractor replacing the main had installed a temporary bypass pipe. This pipe partially failed backing up a cleanout  
Roots and FOG

Several massive lateral root blockages were pushed into the main and created a dam in the manhole.  
The roots caused a soft blockage creating a temporary backup resulting in approximately 75 gallon overflow from a private  
Roots and Rags

Rags and Grease  
FOG and Rags

Removed a 1 gal. plastic jug from Manhole after clearing it with Vactor jet rodder

Sewer Contractor was working on a Pvt. lateral and had cut a substantial amount of roots out of the pvt. lateral and when

Root intrusion was from abandoned lateral. SD #2 will remove lateral tap within the next 30 days

Pump station had a main breaker failure. when breaker was replaced the wet well was 3/4 full so the technician turned all 3 p

Unknown, cause under investigation

While clearing a blockage in mainline crew used Hydro-flusher. Blockage appears to have been at or near wye connection

paper blockage

Paper

Main  
Main  
Gravity Mainline  
Gravity Mainline  
Manhole  
Gravity Mainline  
Gravity Mainline  
Gravity Mainline  
Gravity Mainline  
Gravity Mainline

Main

Main  
this amount of roots came down the line it lodg

Main  
Main

Main

Main  
Main  
Upper Lateral  
Main  
Main  
Main

1 to main. When nozzle hit obstruction some wat

Main

Main  
Main  
Main  
Main  
Main



The roots caused a soft blockage in the manhole and relieved 50 gallons. By the time our crews arrived the overflow had

ed in a offset joint and caused the SSO

inside Manhole

er seems to have gone up lateral and out toilet.

No  
No  
No  
No  
No  
No  
No  
No

6 VCP

8 VCP  
8 VCP  
6 VCP  
6 VCP  
8 VCP  
6 vcp  
6 VCP

6 VCP  
6 VCP

6

6

6 VCP

6  
6

36 RCP  
8  
6 VCP  
6 vcp  
6 vcp  
6 vcp

6 vcp  
8 vcp

8 unknown  
8

27

54

30

50

54

53

57



Found clear sewage flowing from Mahole P 20, MH 16-17-18-19 all surcharged. Started Jet rodding in P-15 went in about 10 feet. Spill was contained in the street and gutter with earthen dams at both ends of the gutter and vacuumed up with vacuum truck. Earthen dams placed in the curb to trap clear sewage. Spill was vacuumed up and area washed down and vacuumed up. Line

Took out 4-6 inches of topsoil between house and fence and placed material in bags for disposal. Replaced material with fresh topsoil.

Clear Sewage ran into yard area. Yard was dug down 6 inches and soil was replaced with new top soil & Sod. Contaminated

contained spill, recovered sewage and returned spill to sanitary sewer system.

4/10/2008 12:45

6/14/2007 0:00  
7/31/2007 21:00

3/22/2009 14:45  
4/28/2009 22:30

Adjusted schedule/method of preventive maintenance

Repaired sewer

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Enforcement act

No longer pumping through 36-inch force main. Scheduling work with contractor to inspect and identify and make neces

pumped the affected areas back into the sanitary sewer jetted and cleaned lines in the affected area



Yes

Yes  
No

Yes  
Yes

no impacting receiving waters

due to rainfall equaled some turbidity

Yes

Yes  
No

No  
No

N/A

NA  
n/a

na  
na

Paridise Cove

N/A  
none  
N/A  
none  
n/a  
n/a  
NA  
Calabazas Creek

San Tomas Creek  
SAN TOMAS AQUINO CREEK

Biological indicator(s) - specify below

Not applicable to this spill  
No water quality samples taken

No water quality samples taken  
Dissolved oxygen;Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

Fecal Coliform

AMONIA COD TOTAL AND FECAL CHLOROFORM

County Health Agency

No water quality samples taken  
None of the above

No water quality samples taken  
None of the above



SAN JOSE AND SANTA CLARA WATER POLLUTION CONTROL PLANT



82695 4/10/2008 10:50

93304 4/28/2009 16:31

Doris Toy, District Manager  
Bill LeNoue  
Bill LeNoue  
Kris Ozaki  
Wes Sitchler  
Bill LeNoue  
Kris Ozaki  
Kris Ozaki

4154853484  
4154853374  
4154853374  
4154853374  
4154853374  
4154853374  
4154853374  
4154853374

2SSO10187	Active	739898 Ron Enos	Certified
2SSO10187	Active	749709 Ron Enos	Certified
2SSO10187	Active	756534 Ron Enos	Certified
2SSO10187	Active	756536 Ron Enos	Certified
2SSO10187	Active	757875 RON ENOS	Certified
2SSO10187	Active	762163 Ron Enos	Certified
2SSO10187	Active	769412 Terry Wilcox	Certified
2SSO10187	Active	771092 Terry Wilcox	Certified
2SSO10187	Active	782020 Terry Wilcox	Certified
2SSO10187	Active	782060 Terry Wilcox	Certified
2SSO10187	Active	786445 Nina Hawk	Certified
2SSO10187	Active	787241 Terry Wilcox	Certified
2SSO10187	Active	788263 Terry Wilcox	Certified
2SSO10187	Active	791681 Terry Wilcox	Certified
2SSO10187	Active	793198 Terry Wilcox	Certified
2SSO10187	Active	795475 Terry Wilcox	Certified
2SSO10187	Active	796722 Terry Wilcox	Certified
2SSO10187	Active	798529 Terry Wilcox	Certified
2SSO10187	Active	798723 John Cruickshank	Certified
2SSO10187	Active	800308 John Cruickshank	Certified
2SSO10188	Active	728834 Stephen J. Danehy	Certified
2SSO10188	Active	730823 Stephen J. Danehy	Certified
2SSO10188	Active	744741 Stephen J. Danehy	Certified
2SSO10188	Active	756605 Stephen J. Danehy	Certified
2SSO10189	Active	650088 Yoshi Uemura	Certified
2SSO10189	Active	710805 Yoshi Uemura	Certified
2SSO10189	Active	711996 Yoshi Uemura	Certified
2SSO10189	Active	719079 Yoshi Uemura	Certified
2SSO10189	Active	725075 Yoshi Uemura	Certified
2SSO10189	Active	748394 Yoshi Uemura	Certified
2SSO10189	Active	754221 Yoshi Uemura	Certified
2SSO10189	Active	765559 craig Justice	Certified
2SSO10189	Active	770690 Craig Justice	Certified
2SSO10189	Active	776978 Craig Justice	Certified
2SSO10189	Active	781647 Craig Justice	Certified
2SSO10189	Active	799084 Craig Justice	Certified
2SSO10190	Active	656188 Robert M Donaldson	Certified
2SSO10190	Active	714027 JBRUBAKER	Certified
2SSO10190	Active	716378 JBRUBAKER	Certified
2SSO10190	Active	732753 Ken Kaufman	Certified
2SSO10190	Active	734204 Ken Kaufman	Certified
2SSO10190	Active	735739 Kenneth Kaufman	Certified
2SSO10190	Active	736725 J. Brubaker	Certified
2SSO10190	Active	742219 Jeff Bruabker	Certified
2SSO10190	Active	745645 Jeff Brubaker	Certified
2SSO10190	Active	749110 J. Brubaker	Certified
2SSO10190	Active	751142 J. Brubaker	Certified
2SSO10190	Active	751195 J Brubaker	Certified
2SSO10190	Active	752042 J Brubaker	Certified
2SSO10190	Active	752054 J Brubaker	Certified
2SSO10190	Active	752099 J. Brubaker	Certified
2SSO10190	Active	753263 J Brubaker	Certified
2SSO10190	Active	762086 Jeff Brubaker	Certified
2SSO10190	Active	764450 Jeff Brubakeeer	Certified
2SSO10190	Active	770552 Jeff Brubaker	Certified

Water Superintendent  
Water&Sewer Superintendent  
Water&Sewer Supt.  
Water&Sewer Supt.  
WATER&SEWER SUPERINTENDENT  
Water& Sewer Superintendent  
Acting Water and Sewer Superintendent  
Water and Sewer Superintendent  
Water and Sewer superintendent  
Water and sewer Superintendent  
Compliance Manager  
Acting Water and Sewer Superintendent  
Acting Water and Sewer Superintendent  
Water and Sewer superintendent  
Water and Sewer Superintnedent  
Water and Sewer Superintendent  
Water and Sewer Superintendent  
Water and sewer superintendent  
Assistant Water & Sewer Superintendent  
Asst. water & sewer superintendent  
General Manager  
General Manager  
General Manager  
General Manager  
Plant Superintendent  
Plant Superintendent  
Plant Superintendent  
Plant Superintendent  
Plant Superintendent  
Plant Superintendent  
Plant Superintendent  
OPerations Superintendent  
Operations Superintendent  
Operations Superintendent  
Operations Superintendent  
General Manager  
Operations Manager  
OPERATIONS SUPERVISOR  
OPERATIONS SUPERVISOR  
Technical Services Manager  
Tech Services Manager  
Technical Services Manager  
Operations Supervisor  
Operations Supervisor  
Operations Supervisor  
Operations  
Operations Supervisor  
Operations Supervisor  
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Operations Supervisor  
Operations Supervisor  
Operations Supervisor  
Operations Supervisor

	15:27	614969
	14:51	900911
10:00am		703563
	9:54	371828
	8:35	824336
	10:23	858723
Santa Clara CA.		661379
City of Santa Clara		368726
City of Santa Clara		790271
City of Santa Clara		728961
City of Santa Clara 1500 Warburton Avenue, Santa Clara, CA 95050		565680
City of Santa Clara		858416
Santa Clara		867025
Santa Clara		960564
Santa Clara		261127
Santa Clara		884436
City of Santa Clara		646028
Santa Clara Ca.		567450
City of Santa Clara		769315
city of santa clara		234480
Mill Valley, Marin County CA		913380
Mill Valley, Marin County		732708
Mill Valley, Marin County, CA		377307
1455 hrs; Mill Valley, Marin County.CA		339848
SMCSD WWTP		637559
Sausalito , CA		685387
Sausalito, California		254763
Sausalito, CA		385077
Sausalito , CA		333107
Sausalito, CA		990455
Sausalito, CA		109968
SMCSD		856915
SMCSD		133195
SMCSD		665613
SMCSD		128922
SMCSD		567147
SBSA		586232
SBSA		784958
SBSA		700792
Redwood City, CA		140133
Redwood City		550682
Redwood City, CA		323568
	16:49	968808
South Bayside System Authority		742308
South Bayside System Authority		660058
SBSA		145509
SBSA		575492
SBSA		627064
SBSA		120985
SBSA		342614
SBSA		545320
SBSA		723012
SBSA		919205
South Bayside System Authority		531200
South Bayside System Authority		497177

24-Jun-09		24-Jun-09	6/24/2009
23-Feb-10		23-Feb-10	2/23/2010
2-Sep-10	9/2/2010	2-Sep-10	9/2/2010
2-Sep-10	9/2/2010	2-Sep-10	9/2/2010
19-Oct-10	10/19/2010	19-Oct-10	10/19/2010
31-Jan-11	1/31/2011	31-Jan-11	1/31/2011
2-Aug-11	8/2/2011	3-Aug-11	8/3/2011
15-Sep-11	9/15/2011	16-Sep-11	7/26/2012
7-Jun-12	6/7/2012	7-Jun-12	6/7/2012
11-Jun-12	6/11/2012	13-Jun-12	6/13/2012
20-Sep-12	9/20/2012	28-Sep-12	9/28/2012
16-Oct-12	10/16/2012	23-Oct-12	10/23/2012
20-Nov-12	11/20/2012	26-Nov-12	11/26/2012
14-Feb-13	2/14/2013	15-Feb-13	3/7/2013
5-Apr-13	4/5/2013	5-Apr-13	4/5/2013
13-Jun-13	6/13/2013	18-Jun-13	6/18/2013
12-Jul-13	7/12/2013	12-Jul-13	7/12/2013
6-Sep-13	9/6/2013	6-Sep-13	9/6/2013
12-Sep-13	9/12/2013	24-Sep-13	9/24/2013
28-Oct-13	11/18/2013	18-Nov-13	11/18/2013
3-Nov-08		8-Dec-08	12/8/2008
19-Dec-08		9-Jan-09	12/3/2010
16-Sep-09		16-Sep-09	9/16/2009
3-Sep-10	9/3/2010	3-Sep-10	9/3/2010
3-May-07		3-May-07	12/2/2010
7-Jan-08		17-Jan-08	7/1/2008
29-Jan-08		14-Feb-08	2/14/2008
6-Jun-08		9-Jun-08	6/10/2008
22-Aug-08		22-Aug-08	9/2/2008
18-Jan-10		2-Feb-10	4/13/2010
30-Jun-10	6/30/2010	30-Jun-10	7/7/2010
15-Apr-11	4/15/2011	15-Apr-11	10/6/2011
5-Sep-11	9/5/2011	5-Sep-11	10/6/2011
7-Feb-12	2/7/2012	7-Feb-12	2/7/2012
25-May-12	5/25/2012	25-May-12	5/25/2012
25-Sep-13	9/25/2013	25-Sep-13	9/25/2013
23-Aug-07		23-Aug-07	8/23/2007
26-Feb-08		26-Feb-08	12/3/2010
22-Apr-08		22-Apr-08	12/3/2010
29-Jan-09		30-Jan-09	1/30/2009
26-Feb-09		26-Feb-09	2/26/2009
31-Mar-09		31-Mar-09	3/31/2009
23-Apr-09		23-Apr-09	4/23/2009
31-Jul-09		31-Jul-09	7/31/2009
15-Oct-09		28-Oct-09	10/28/2009
4-Feb-10		10-Feb-10	3/1/2011
30-Mar-10		31-Mar-10	3/1/2011
31-Mar-10		31-Mar-10	3/1/2011
29-Apr-10		30-Apr-10	3/2/2011
29-Apr-10		30-Apr-10	3/2/2011
30-Apr-10		30-Apr-10	3/2/2011
9-Jun-10	6/9/2010	30-Jul-10	3/1/2011
28-Jan-11	1/28/2011	31-Jan-11	1/31/2011
17-Mar-11	3/17/2011	18-Mar-11	3/18/2011
31-Aug-11	8/31/2011	31-Aug-11	1/26/2012



Category 3		20	20
Category 3		45	45
Category 3		20	20
Category 3		30	30
Category 3		20	20
Category 3		50	50
Category 3		250	250
Category 3		250	250
Category 3		960	960
Category 3		150	150
Category 3		20	20
Category 3		20	20
Category 1		4686	800
Category 1		15750	5950
Category 3		12	12
Category 3		100	100
Category 3		40	40
Category 3		90	90
Category 1	300	600	300
Category 3	0	825	825
Category 3		60	60
Category 1		100	100
Category 3		50	50
Category 3		10	10
Category 1		250	0
Category 1		18000	0
Category 1		63000	0
Category 1		200	100
Category 3		10	10
Category 1		34000	2000
Category 3		5	5
Category 2		5050	0
Category 2		1520	0
Category 1		3275	500
Category 3		50	40
Category 3	0	50	50
Category 3		77	0
Category 3		670	670
Category 3		184	0
Category 3		200	200
Category 3		400	400
Category 3		120	0
Category 3		70	0
Category 3		30	0
Category 1		1400	0
Category 1		300	75
Category 3		45	0
Category 3		1	0
Category 3		1	1
Category 3		5	0
Category 3		15	0
Category 3		52	0
Category 3		10	0
Category 1		2180	1800
Category 3		5	0

0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	Yes
0 No	No
0 No	No
3886 Yes	Yes
9800 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
300 Yes	Yes
0 No	Yes
0 No	Yes
100 Yes	No
0 No	No
0 No	No
250 Yes	Yes
18000 Yes	Yes
63000 Yes	Yes
100 Yes	Yes
0 No	No
32000 Yes	Yes
0 No	No
0 No	No
0 No	No
2775 Yes	Yes
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
700 Yes	Yes
125 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
380 Yes	No
0 No	No



Flora Vista Ave. & El Camino Real  
m/h at 1286 main st.  
2310 Rosita  
723 Scott Blvd.  
724 Hilmar  
landslide ct.  
720 Hilmar  
Warburton & Civic Center  
In field 400 yards behind address 185 Nortech Pkwy. San Jose Ca.  
@ the end of Los Olivos Dr. Xst of Forbes Ave.  
3361 Pruneridge  
1620 graham lane  
3780 Poinciana Dr.  
601 Walsh Ave  
2593 Borax Drive  
401 California Ave.  
277 Rodonavan Dr.  
Polk Ave  
intersecion of Calabazas Blvd. and Cofax Ct.  
End of Patrica Dr. in the Library parking lot  
SASM Lomita Line: Manhole L-19  
Camino Alto and Arroyo Corte Madera del Presidio Creek  
Man Hole ID L-19  
Clean out at private residence  
Bay Vista Circle  
Coloma Street and Bridgeway Intersection  
Marinship Way, two manholes, 130 yds and 175 yds south of Harbor Drive  
Intersection of Drake Ave. and Buckelew Street, Marin City  
MH 550411 - Ponderosa Estates Adj to Units 889-941  
Marinship Way and Libertyship Way  
89 Cole Drive , Marin City , CA 94965  
268 Bay Vista Circle at Donahue  
Bay Vista Cir, Marin City CA  
81 Libertyship Way, Sausalito CA 94965 (Schoonmaker Point Marina)  
#5 Cole Drive at intersection of Cole and Drake  
409 Drake Avenue, cross street Donahue, Marin City  
near 3401 east bayshore road, redwood city, california  
redwood city, CA  
Bair Island near whipple road  
SBSA's Redwood City Pump Station  
SBSA's Redwood City Pump Station  
SBSA's Redwood City Pump Station  
SBSA's Redwwod City Pump Station  
SBSA'S Redwood City Pump Station  
South Bayside System Authority; San Carlos Pump Station  
Bair Island Levee Force Main Joint Location Station 71+95  
Bair Island Levee force main joint location station 61+55  
Bair Island in Redwood City Force main station number 70+97  
Bair Island Levee force main joint location station 61+55  
Bair Island Levee automatic air releif at station # 74+00 access shaft  
Bair Island Levee automatic air relief at station # 74+00 access shaft  
Bair Island Levee Forcemain Joint Location Station 94+84  
Docktown Marina Redwood City Ca.  
Inner Bair Island, Forcemain location station 50 +11  
Bair Island Levee Forcemain Joint Location Station 95 + 75

37.335506	-121.992814 Santa Clara
37.351667	-121.947222 Santa Clara
37.332778	-121.957222 Santa Clara
37.341667	-121.958611 Santa Clara
37.342133	-121.934678 Santa Clara
37.366917	-121.966831 Santa Clara
37.342133	-121.934678 Santa Clara
37.35569	-121.95735 Santa Clara
37.428694	-121.9582 Santa Clara
37.334919	-121.963939 Santa Clara
37.331319	-121.988889 Santa Clara
37.353394	-121.967856 Santa Clara
37.359444	-122.000278 Santa Clara
37.37025	-121.945639 Santa Clara
37.368378	-121.986239 Santa Clara
37.339444	-121.953019 Santa Clara
37.3292	-121.989017 Santa Clara
37.325214	-121.965169 Santa Clara
37.357975	-121.984194 Santa Clara
37.341247	-121.973219 Santa Clara
37.906795	-122.524129 Marin
37.895217	-122.529864 Marin
37.90666	-122.52395 Marin
37.90598	-122.5233 Marin
37.877699	-122.51863 Marin
37.868528	122.503139 Marin
37.866139	122.499417 Marin
37.8731	122.51554 Marin
37.87462	122.51304 Marin
37.8625	-122.49432 Marin
37.8682	-122.5105 Marin
37.87785	-122.52022 Marin
37.87866	-122.52074 Marin
37.86359	-122.49084 Marin
37.86898	-122.50885 Marin
37.86871	-122.51127 Marin
37.528611	122.326111 San Mateo
37.531433	-122.244367 San Mateo
37.4985	-122.2321 San Mateo
37.489167	122.219444 San Mateo
37.489167	122.21944 San Mateo
37.489167	-122.21944 San Mateo
37.489167	-122.21944 San Mateo
37.483432	-122.216713 San Mateo
37.51351	-122.25274 San Mateo
37.5000144	-122.23823 San Mateo
37.498423	-122.235963 San Mateo
37.500078	-122.237798 San Mateo
37.498424	-122.235963 San Mateo
37.5000276	-122.238922 San Mateo
37.5000276	-122.238922 San Mateo
37.504438	-122.243655 San Mateo
37.49413	-122.22434 San Mateo
37.49863	-122.23202 San Mateo
37.50433	-122.2435 San Mateo

[illegible]

contractor was running a by pass hose on flora vista when a bus ran over a coupling. leaked in gutter and catch basin  
spill from m/h into gutter, storm line

street and gutter

From flushing inlet into curb & gutter

street / gutter / storm line all was captured

In a field 400 yards behind 185 Nortech Pkwy.

Manhole at end of Walsh Ave just in front of the railroad tracks

Street FI

Man Hole in parking lot of school that is a private clean out

Manhole in Street

Manhole L-19 in front of 97 Lomita Drive.

Force Main leak from sidewalk, down embankment into creek bed at low tide.

Surcharged sewer line on Shell (Alto SD) and Lomita Drive (SASM line).

Manhole

Manhole near The intersection of Coloma Street and Bridgeway on Coloma Street.

SSO from two manholes located 130 yards and 175 yards south of Harbor Drive on Marinship Way

On Drake Avenue at intersection of Buckelew Street.

Spill located in an easement between Drake Ave and Park Circle near Ponderosa Estate Units 889-941, Marin City

Percolating out of the pavement in and around intersection

Manhole on Cole Drive at intersection of private driveway.

Easement manhole in Sausalito-Marín City Sanitary District service area. Area is on a hillside in a fairly isolated location.

Spill from District manhole (MH580000) on a 6" sewer gravity line located in an offstreet hillside easement.

Sewer overflow from a manhole. The sewage spilled onto street and into an adjacent storm drain that flows to the Richard

Overflow from District manhole #551314. A District contractor hit a 4 inch private and unmarked (USA was requested) wa

Spill location was surface seepage from a crack in asphalt road at 409 Drake - Marin County Housing Authority Building.

SBSA force main below the southern odor biofilter bed.

SBSA force main below southern odor biofilter at the Redwood City Pump Station.

SBSA Force Main below southern odor biofilter at the Redwood City Pump Station.

SBSA Force Main below southern odor biofilter at the Redwood City Pump Station

Upon entering the Bair Island Whipple Ave gate proceed west along the levee. The leak site is at a distance approximately

SBSA Force main station # 61+55. Approximately 1,155 feet north west along the Bair Island Levee from the Whipple

SBSA force main station 70+97. Approximately 2,097 feet north west along the Bair Island Levee after the pipe travels unc

SBSA Force main station # 61+55. Approximately 1,155 feet north west along the Bair Island Levee from the Whipple A

SBSA Force main station # 74+00 access shaft. Approximately 2,400 feet north west along the levee from the Whipple A

SBSA Force main station # 74+00 access shaft. Approximately 2,400 feet North West along the levee from the Whipple /

At the Whipple Ave gate entrance to Bair Island proceed north east across the waterway. Follow the levee in a North Wes

The spill occurred at a automatic air relief.

The spill is on Inner Bair Island

At the Whipple Ave gate entrance to Bair Island proceed north east across the waterway. Follow the levee in a North Wes

1  
1

Ison Bay.  
ter line during a sewer line replacement  
1

2,200 feet west along the right hand side  
Ave gate.  
ler the waterway in front of Whipple Ave  
re gate.  
ve side. At this location there is a autom  
Ave side. At this location there is an aut  
st direction approximately ~4,484 feet. T

st direction approximately ~4,672 feet. T



Other (specify)  
Gravity sewer;Manhole  
Other (specify)  
Other (specify)  
Gravity sewer;Manhole  
Gravity sewer;Other sewer system structure  
Manhole  
Gravity sewer;Manhole  
Force main or pressure sewer  
Manhole  
Other (specify)  
Gravity sewer;Manhole  
Manhole  
Manhole  
Other sewer system structure  
Other (specify)  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Force main or pressure sewer  
Manhole  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Force main or pressure sewer  
Gravity sewer;Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Force main or pressure sewer  
Gravity sewer;Manhole  
Manhole  
Manhole  
Manhole  
Lower Lateral (Private)  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer;Other (specify)  
Force main or pressure sewer  
Force main or pressure sewer

contractor's by pass hose coupling run over by bus

property line clean out  
property line cleanout

From flushing inlet

Flushing Inlet

Manhole in street at start of line.

Flushing Inlet

Flushing Inlet

Man hole in parking lot of School that is a private clean out

From under sidewalk alongside overcrossing at Creek.

Discharge from clean out/back flow preventer on private property at 69 Shell Rd.

Manhole number 440001

Spill from around lids on adjacent manholes; number 380000 and 377000 on Marinship Way.

Manhole # 550435

Storm water diluted SSO percolated up through pavement in and around intersection. Flowed from holes bored in force r  
Not overflowing upon arrival. Level in manhole had subsided to 3 feet below lid.  
Flowing from manhole cover estimated at 10 gallons per hour.

Reported as possible sewage seeping up through a crack in a asphalt service road. District staff confirmed as sewage.

Automatic air relief that sits atop the access shaft.

Automatic air relief that sits atop the access shaft.

The spill occurred at a automatic air relief located on a 48 inch forcemain.

Storm drain  
Storm drain;Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Other paved surface;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Unpaved surface;Other (specify below)  
Other paved surface;Separate storm drain;Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Separate storm drain;Other (specify below)  
Separate storm drain;Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Other paved surface;Street/curb and gutter  
Street/curb and gutter  
Other (specify below)  
Street/Curb and Gutter  
Street/curb and gutter  
Surface water  
Street/curb and gutter;Unpaved surface  
Other (specify below)  
Street/curb and gutter;Surface water  
Storm drain;Surface water  
Storm drain;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Unpaved surface  
Beach;Other paved surface;Storm drain;Street/curb and gutter;Surface water  
Street/curb and gutter  
Other (specify below)  
Other (specify below)  
Surface water  
Separate storm drain  
Separate Storm Drain  
Other paved surface  
Other (specify below)  
Unpaved surface  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Building or structure  
Other paved surface;Storm drain;Street/curb and gutter;Surface water;Unpaved surface  
Surface water;Unpaved surface  
Unpaved surface  
Other (specify below)  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Surface water  
Other (specify below)

contained in excavation that was dug in order to conduct repairs

Spill most likely got to a drainage channel that eventually leads to surface waters(creek).

All spill captured in curb and gutter.

Spill contained before reaching storm system  
Calabazas Creek

Creek bed at low tide. Water pooled in bed alongside bridge.  
Small amount fully contained in catch basin.  
Flower garden area of side yard.

Storm drain 50 ft from manhole drains to culvert that empties into Richardson Bay in an underwater culvert. Heavy rains  
Flowed to storm drain on Marinship Way that drains to Richardson Bay  
All storm water in Marin City flows into the Storm Water Surge Basin located at lower Marin City, East of the shopping ce

Stormwater diluted SSO reached Richardson Bay near the foot of Libertyship Way. Some sewage recovered and pumped

Sewer spill flowed out of the manhole and naturally dissipated in the hillside soil.  
Sewage seeped into the ground near the SSO manhole location  
Richardson Bay

It is estimated that very little (less than 10 gallons of sewage) of the combined water/sewage was contained in a downstream  
Surface sewage flowed into a nearby storm drain inlet. The downstream storm drain line was plugged to contain the spill.

vactor truck

The spill was contained by existing sheet piles and flowed to the underdrain for the odor biofilter. This drainage system flow  
The spill was contained by existing sheet piles and flowed to the underdrain for the odor biofilter. This drainage system  
Leakage from the Force Main was contained by existing cofferdam in excavated construction area and was returned to the  
Leakage from the Force Main was contained by existing cofferdam in excavated construction area and was returned to the

The water left the pump station and ran into a lawn shrubbery area then under a fence and onto a portion of the taxiway fence  
The final destination was along the levee road and then into the tidal wet lands area.

There was no liquid evidence of a spill. Only the dried remnants of a past spill located on the grass and plants. In addition  
During the ongoing joint repair as reported for February there was some seepage from the temporary repair and then soon  
the water sprayed from the air relief onto the levee road. It stayed there and evaporated.

This portion of Inner Bair Island collects rain water during the wet weather season. The spill ran into this standing surface  
Upon the initial finding of the leak, lift pumps were placed in-service to create a negative pressure on the forcemain. Once

6/24/2009 5:00	6/24/2009 10:30	6/24/2009 11:00	6/24/2009 5:23
2/23/2010 7:20	2/23/2010 7:20	2/23/2010 7:30	2/23/2010 8:15
8/19/2010 8:38	8/19/2010 8:38	8/19/2010 8:45	8/19/2010 10:08
8/30/2010 10:20	8/30/2010 10:20	8/30/2010 10:30	8/30/2010 12:30
10/18/2010 12:00	10/18/2010 12:00	10/18/2010 12:10	10/18/2010 12:30
1/29/2011 12:15	1/29/2011 12:15	1/29/2011 12:35	1/29/2011 13:20
8/2/2011 8:32	8/2/2011 8:32	8/2/2011 8:32	8/2/2011 11:30
9/15/2011 9:45	9/15/2011 9:45	9/15/2011 9:45	9/15/2011 12:00
5/23/2012 15:53	5/23/2012 15:53	5/24/2012 7:30	5/28/2012 14:00
6/10/2012 19:57	6/10/2012 19:57	6/10/2012 20:25	6/10/2012 22:00
9/19/2012 9:30	9/19/2012 9:30	9/19/2012 9:50	9/19/2012 9:50
10/14/2012 11:20	10/14/2012 11:35	10/14/2012 12:20	10/14/2012 12:50
11/17/2012 14:00	11/20/2012 6:58	11/20/2012 7:15	11/20/2012 7:40
2/14/2013 8:45	2/14/2013 9:20	2/14/2013 9:45	2/14/2013 10:30
4/4/2013 1:45	4/4/2013 2:00	4/4/2013 2:12	4/4/2013 2:30
6/5/2013 8:00	6/5/2013 8:37	6/5/2013 8:50	6/5/2013 9:00
7/3/2013 11:15	7/3/2013 11:33	7/3/2013 11:50	7/3/2013 12:25
8/25/2013 12:30	8/25/2013 12:40	8/25/2013 13:10	8/25/2013 13:25
9/12/2013 8:00	9/12/2013 8:23	9/12/2013 8:40	9/12/2013 8:50
10/23/2013 7:40	10/23/2013 7:55	10/23/2013 8:20	10/23/2013 8:35
11/2/2008 13:50	11/3/2008 7:25	11/2/2008 14:00	11/2/2008 14:30
12/19/2008 10:40	12/19/2008 10:50	12/19/2008 11:00	12/19/2008 12:10
9/16/2009 10:35	9/16/2009 14:20	9/16/2009 10:35	9/16/2009 10:45
9/3/2010 12:00	9/3/2010 12:45	9/3/2010 12:50	9/3/2010 13:15
5/2/2007 7:00	5/2/2007 7:40	5/2/2007 7:40	5/2/2007 8:20
1/4/2008 10:30	1/4/2008 10:30	1/4/2008 10:30	1/4/2008 14:30
1/25/2008 14:15	1/25/2008 14:15	1/25/2008 14:15	1/25/2008 23:30
6/6/2008 13:00	6/6/2008 13:10	6/6/2008 13:20	6/6/2008 13:50
8/21/2008 12:00	8/21/2008 14:15	8/21/2008 14:35	8/21/2008 15:30
1/18/2010 10:16	1/18/2010 11:33	1/18/2010 12:00	1/18/2010 13:45
6/30/2010 9:00	6/30/2010 9:15	6/30/2010 9:45	6/30/2010 9:30
3/24/2011 12:00	4/14/2011 12:00	4/14/2011 12:25	4/14/2011 13:15
9/4/2011 17:00	9/4/2011 18:30	9/4/2011 18:50	9/4/2011 22:04
2/7/2012 10:40	2/7/2012 13:00	2/7/2012 13:15	2/7/2012 13:15
5/24/2012 13:22	5/24/2012 13:45	5/24/2012 14:00	5/24/2012 13:30
9/13/2013 14:15	9/13/2013 14:30	9/13/2013 14:45	9/13/2013 15:48
7/27/2007 7:03	7/27/2007 9:50	7/27/2007 10:15	7/27/2007 9:52
1/28/2008 6:52	1/28/2008 7:50	1/28/2008 7:50	1/28/2008 7:59
3/3/2008 10:00	3/3/2008 12:05	3/3/2008 12:35	3/3/2008 13:05
12/9/2008 11:08	12/9/2008 11:08	12/9/2008 11:08	12/9/2008 11:28
1/1/2009 0:00	1/1/2009 0:00	1/1/2009 0:00	1/31/2009 23:59
2/1/2009 0:00	2/1/2009 0:00	2/1/2009 0:00	2/28/2009 23:59
3/1/2009 0:00	3/1/2009 0:00	3/1/2009 0:00	3/27/2009 18:00
6/23/2009 6:00	6/23/2009 10:00	6/23/2009 10:00	6/23/2009 10:00
10/13/2009 13:47	10/13/2009 13:47	10/13/2009 13:00	10/13/2009 13:55
2/3/2010 14:34	2/3/2010 15:05	2/3/2010 15:45	2/3/2010 15:15
2/3/2010 14:34	2/3/2010 15:05	2/3/2010 15:45	2/3/2010 15:15
2/3/2010 14:34	2/3/2010 15:05	2/3/2010 15:45	2/3/2010 15:15
2/3/2010 14:34	2/3/2010 15:05	2/3/2010 15:45	2/3/2010 0:00
3/1/2010 13:20	3/1/2010 13:20	3/1/2010 13:21	3/1/2010 13:22
3/4/2010 12:20	3/4/2010 12:20	3/4/2010 12:24	3/4/2010 12:25
6/2/2010 11:15	6/2/2010 11:15	6/2/2010 11:15	6/2/2010 11:26
12/18/2010 14:25	12/18/2010 14:30	12/18/2010 15:00	12/18/2010 15:02
3/16/2011 9:00	3/17/2011 10:30	3/17/2011 10:35	3/17/2011 10:45
7/28/2011 9:50	7/28/2011 9:50	7/28/2011 9:50	7/28/2011 9:56

Other (specify below)  
Debri-Rags  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debri-Rags  
Other (specify below)  
Grease deposition (FOG)  
Other (specify below)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Pipe structural problem/failure  
Root intrusion  
Debri-General  
Grease deposition (FOG)  
Debri-General  
Grease Deposition (FOG)  
Grease Deposition (FOG)  
Debris  
Pipe structural problem/failure  
Root intrusion  
Debri-Rags  
Other (specify below)  
Pump station failure  
Flow exceeded capacity  
Debris  
Root intrusion  
Pipe structural problem/failure  
Debri-General  
Pipe structural problem/failure  
Root intrusion  
Other (specify below)  
Other (specify below)  
Pump Station Failure-Controls  
Other (specify below)  
Other (specify below)  
Pipe structural problem/failure  
Pipe structural problem/failure  
Pipe structural problem/failure  
Pipe structural problem/failure  
Pipe structural problem/failure  
Other (specify below)  
Pump station failure  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Pipe structural problem/failure  
Operator error  
Pipe structural problem/failure  
Other (specify below)

contractor's by pass hose coupling run over causing leak

#### Baby Wipes

very small leak at joint of hub in bell and spigot 36 inch RCP

Grease coming from private lift station for condo complex into sewer main

Roots cut from an upstream private sewer became lodged in the District's downstream sewer, creating a blockage. Spill r

Excess wet weather flows surcharged collection system and flow exceeds capacity of system.

Cut up pieces of roots accumulated at manhole outlet blocking line causing backup.

AC Square Inc. a contractor working for Comcast bored through the 14 inch HDPE Force Main pipe while horizontally bor

roots and debris

The manhole overflow was caused when a contractor plugged a upstream line to clean rocks and debris from a manhole. During a District sewer repair project, a District contractor hit a unmarked private 4" water line during a sewer line replace. The District recently completed a sewer rehabilitation project in the area. The District had its sewer collection cleaning co. partial obstruction in air relief gate valve not allowing valve to close completely during preventative maintenance unbeknownst to the landscape truck drove over chisty box that contained air relief valve

The check valve on a air relief was not closing properly.

During wet weather flow is diverted to a booster pump station to lower the overall hydraulic profile from the furthest pump station. The cause is most likely from pipe movement as the pipe sits in baymud and therefore is prone to movement.

The cause is most likely from pipe movement as the pipe sits in baymud and therefore is prone to movement. Note: # 30 The cause is most likely from pipe movement as the pipe sits in baymud and therefore is prone to movement.

The cause is most likely from pipe movement as the pipe sits in bay mud and therefore is prone to movement. Note: # 31

The automatic air relief discharge valve failed allowing water to blow by as the air escaped. Personnel were on sight when

The automatic air relief discharge valve failed allowing water to blow by as the air escaped. Personnel were on sight when

The cause is most likely from pipe movement as the pipe sits in bay mud and therefore is prone to movement.

The cause is most likely from pipe movement as the pipe sits in bay mud and therefore is prone to movement..

Other (specify below)

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Gravity Mainline

Gravity Mainline

Other (specify below)

Main

Main

Main

Main

Main

Main

Lower Lateral

Main

Lower Lateral

Main

Other (specify below)

ist to operator.

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Main

Other (specify below)



contractor's by pass hose coupling run over causing leak

Crack in steel force main approaching creek crossing.

Accumulated debris blockage.

Pressure main used for wet weather high flow conditions

6 inch plastic pipe joint separation

Connection of private lateral line to the public sewer. The District called a construction contractor to reconnect the private

Forcemain air relief

48 inch RCP Bell and Spigot O Ring

Failure was at the booster pump station booster pump.

The leak is coming from the annular space between the pipe bell and spigot.

The leak was from the annular space between the pipe bell and spigot. The leak was repaired by use of a steel clamp. No

The leak was from the annular space between the pipe bell and spigot. The leak was repaired by use of a epoxy coated steel

The leak was from the annular space between the pipe bell and spigot. The leak was repaired by use of a steel clamp. No

The automatic air relief sits atop of a 4 inch riser. A valve inside the air relief failed.

This same event occurred March 1st, 2010. It was thought then that the failure was caused by an obstruction to an eternal

The leak was from the annular space between the pipe bell and spigot. The leak was repaired by use of a steel clamp.

A manual bleed valve on a Automatic air relief structure was left open.

The leak was from the annular space between the pipe bell and spigot where the O ring was pushed out.. The leak was r

No  
No

8 VCP

6 VCP  
6 VCP  
6 VCP  
8 VCP  
8

15 PVC  
21 VCP w/ 9mm insitu liner  
6 VCP  
6 VCP  
14 HDPE  
6 VCP  
6 plastic  
6 vcp

6 HDPE

48 RCP  
48 RCP  
48 RCP  
48 RCP

48 RCP

repaired by use of a steel cla

45  
50  
50  
39  
40

45  
  
40

60  
41  
55  
53

30

1989  
20  
50  
25  
1990  
50

180



250 gal. spilled recovered 250 gal. plus approx. 750 gal. of clean up water  
Flushed gutter/catch basin/and storm line, all spill & flushing water recovered and returned to sewer

The SSO had stopped before arriveing on the site. We cleared the main, then washed down and cleaned up site

Main is on regular P M for hydro flushing. Work order was in the que for maint. It will be hydro flushed within the next 2 w

Contractor called and responded. Excavated by hand(shallow line) to leak; performed temporary repair. Permanent repair

Responded to power outage at surcharge pump station. Found power out and pumps not running. Sewer manhole was ov  
Barracaded roadway to prevent entry to area.from both directions of Marinship Way. Signs posted warning of sewage sp  
Staff responded to report oif SSO and arrived on site in approximately ten minutes. Reported findings and need for sewer

Turned off force main. Placed repair clamp and checked for no leaks. Sewer contractor vacuumed, hosed and vacuumed

District contractor with staff assistance cleared the bolckage from the line cause by the line seperation. District staff inspe  
A private party notified the District of the SSO. The responding District operator found the manhole overflowing from the |  
City Crews assist the District with recovering about 500 gallons. The District immediately restored normal sewer operator  
The Contractor called the local water department to shut off the broken water line. District staff responded and contained

when the spill was reported SBSA operations was able to place lift pumps in service thereby stopping the leak prior to the

Contractor entered pipe, inpsected and videoed affected area and applied oakum as a temporary fix. During inspection m  
This report is a continuation of the SSO report filed for December 2008. Video inspection, design of shoring and temporal  
This report is a continuation of the SSO Report filed for December 2008 and January 2009. Contractor was on site and m  
This report is a continuation of the SSO Report filed for December 2008, January 2009, and February 2009. Contractor w

A crew was sent to the pump station to squeegee any remaining water off the taxiway, and from the pump station driveway  
Mitagation will continue. There is no public access to this area. The area has been cordoned off and equipment is being n  
After excavation of the joint any sewage that leaked during the repair process was fully contained and pumped back into t  
As explained earlier there was no active spill at the sight. Rather only dried remant's of a past spill in this location. The ev  
After excavation of the joint any sewage that leaked during the repair process was fully contained and pumped back into t  
The water spayed out from the air relief. The valve to the air relief was then closed and the discharge stopped.  
The water spayed out from the air relief. The valve to the air relief was then closed and the discharge stopped.  
After excavation of the joint any sewage that leaked during the repair process was fully contained and pumped back into t

The initial response was to stop the flow by placing a negative pressure on the forcemain. Vacuum trucks were used to re

11/20/2012 10:45  
2/14/2013 4:00

9/12/2013 8:50

12/22/2008 12:00

5/2/2007 8:20  
1/4/2008 14:30  
1/25/2008 23:30  
6/6/2008 15:00

1/18/2010 13:45

4/15/2011 10:00  
9/4/2011 22:04  
2/7/2012 17:00  
5/24/2012 15:30

10/13/2009 0:00  
3/1/2010 0:00

3/17/2011 19:00

Adjusted schedule/method of preventive maintenance  
Other (specify below)

Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer;Repaired sewer

Adjusted schedule/method of preventive maintenance  
Other (specify below)  
Other (specify below)  
Other (specify below)

Repaired sewer

Repaired sewer  
Plan rehabilitation or replacement of sewer  
Other (specify below)  
Other (specify below)

Other (specify below)  
Plan rehabilitation or replacement of sewer;Repaired sewer

Plan rehabilitation or replacement of sewer;Repaired sewer

CCTV showed a large root ball under train tracks, ran root saws cleaned and restored full capacity and flow. CCTV inspection

Contained spill, made temporary repair to pipe, recovered spill from creek bed.

Emergency power generator tied into pump station. New automatic power switch over gear to be installed at pump station.  
Wet weather conveyance study done to find best way to prevent SSO's.

Debris blocked line. No known responsible person. This part of the system is not a problem area. Deliberate flushing of

Contractor placed two repair clamps. Longer single full circle repair clamp ordered. Will replace the two currently used. Will

Review sewer pump station construction project bypass plans and District sewer collection pipe elevations. Conduct evaluation.  
Contact the residential complex owner to make sure they understand and complete requested USA utility marking.

Repaired booster pump fuel line primer.

For this joint a temporary repair was in place on Friday. A permanent repair clamp will be installed on Monday and Tuesday

The work to repair is on going.



No  
No

No

No

No  
Yes  
Yes  
Yes

Yes

No  
No  
Yes  
No

Yes  
Yes

Yes

No negative impacts. Ducks and geese present, fish present, no fish kill.

No visible signs of culvert discharge point or of sewage. Heavy rains and an outgoing tide flushed area.  
Heavy rains and flooding at night prevented any visual inspection of the impacted receiving water.  
No visible effects. This is a storm water surge basin that is heavily influenced by high density urban runoff.  
not applicable  
No visible impact due to heavy rain and wind.  
No contact with or impact on receiving waters.

n/a

The impacted area is along a water way that is affected by tidal action. It was not noticed at first but upon extensive inves

No  
No

No

No

No  
Yes  
Yes  
Yes

Yes

Yes  
No  
Yes  
No

No  
No

Yes

NA

NA

N/a

Sub surface discharge of culvert on outgoing tide. Heavy rainfall and surface runoff during and after the SSO.

N/A

Marin City Storm Water Surge Basin.

Shoreline of Libertyship Way closest to intersection. Warning signs at scene and along shore.

none

NA

NA

The are no beaches impacted, and the area is fenced off from the public.

none  
N/A  
N/A  
Did not impact surface water  
None  
N/A  
N/A  
N/A  
Calabazas Creek  
Guadalupe River

None  
None  
None

Arroyo Corte Madera del Presidio Creek

Richardson Bay  
Richardson Bay  
Richardson Bay  
Marin City Storm Water Surge Basin. Outlet valve closed but water leaking past closed valve to Richardson Bay.

Richardson Bay San Francisco Bay

none  
none  
Richardson Bay (Schoonmaker Point Marina)  
N/A

Steinberger Slough  
Waterway between highway 101 and the Bair Island levee.

Inner Bair Island

No water quality samples taken  
No water quality samples taken

Not applicable to this spill

Dissolved oxygen;Biological indicator(s) - specify below

No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
Biological indicator(s) - specify below

Biological indicator(s) - specify below

Biological indicator(s) - specify below  
Not applicable to this spill  
Biological indicator(s) - specify below  
Not applicable to this spill

Biological indicator(s) - specify below  
No water quality samples taken

Other (specify below)

Ammonia, coliform(fecal and total).

Due to heavy rains and subsequent flushing of culvert and the outgoing tide no samples were taken.

Heavy rains and flooding. No useable results could be obtained.

Coliform Bacteria. Baseline sample collected at the Basin outlet at 1453 hrs of 06/06/2008. This area had no influence from

Coordinated sample types and sites with Marin County Environmental Health

Bacteria

Total, e-coli and Entro

Below are the Fecal Coliform results for the two samples taken on 10/13/09 at the SC Airport storm drain wet well.      Sar

Samples have been collected and will be tested for ammonia, and fecal coliform

No water quality samples taken  
None of the above

Not applicable to this spill

County Health Agency;Regional Water Quality Control Board

None of the above  
No water quality samples taken  
None of the above  
County Health Agency;Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board  
Not applicable to this spill  
County Health Agency  
None of the above

None of the above  
None of the above

None of the above



Once results are available.

Baseline coliform levels in the Storm Water Surge Basin are very high. This is expected from an high density urban storm

CWEA manhole overflow gauge and time

1 water holding basin.

Visual estimate based on pictures of known manhole volume spills.

127029	11/20/2012 11:58
130979	2/14/2013 12:35

135732	9/12/2013 10:05
87903	11/3/2008 9:00
89025	12/19/2008 12:33
96354	9/16/2009 14:43

80087	1/4/2008 15:55
80719	1/25/2008 17:15
84055	6/6/2008 14:20
86117	8/21/2008 17:45
100362	1/18/2010 13:58
103969	6/30/2010 12:05
112370	4/14/2011 13:00
115266	9/4/2011 20:45
120752	2/7/2012 15:00
123095	5/25/2012 14:40

96907	10/13/2009 15:24
100913	2/3/2010 17:40

111598	3/17/2011 12:00
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John Cruickshank  
John Cruickshank

4088390566  
4086152068

Craig Justice

4153314718

2SSO10190	Active	775500 Jeff Brubaker	Certified
2SSO10190	Active	778060 J. Brubaker	Certified
2SSO10190	Active	780480 J. Brubaker	Certified
2SSO10190	Active	790180 J Brubaker	Certified
2SSO10190	Active	796286 J Brubaker	Certified
2SSO10190	Active	798560 Jeff Brubaker	Certified
2SSO10190	Active	799283 Jeff Brubaker	Certified
2SSO10195	Active	711912 M Conachy	Certified
2SSO10195	Active	748652 M Conachy Sr	Certified
2SSO10195	Active	763274 M Conachy Sr	Certified
2SSO10195	Active	764528 M Conachy Sr	Certified
2SSO10195	Active	776324 M Conachy Sr	Certified
2SSO10195	Active	788753 M Conachy Sr	Certified
2SSO10196	Active	656180 M. Conachy	Certified
2SSO10196	Active	705948 M Conachy	Certified
2SSO10196	Active	707562 M Conachy	Certified
2SSO10196	Active	708459 M Conachy Sr	Certified
2SSO10196	Active	710731 M Conachy	Certified
2SSO10196	Active	710738 M Conachy	Certified
2SSO10196	Active	710802 M Conachy	Certified
2SSO10196	Active	710808 M Conachy	Certified
2SSO10196	Active	710827 M Conachy	Certified
2SSO10196	Active	710835 M Conachy	Certified
2SSO10196	Active	710860 M Conachy	Certified
2SSO10196	Active	710865 M Conachy	Certified
2SSO10196	Active	710949 M Conachy Sr	Certified
2SSO10196	Active	711921 M Conachy	Certified
2SSO10196	Active	711923 M Conachy Sr	Certified
2SSO10196	Active	711927 M Conachy Sr	Certified
2SSO10196	Active	711934 M Conachy	Certified
2SSO10196	Active	711949 M Conachy	Certified
2SSO10196	Active	711953 M Conachy	Certified
2SSO10196	Active	712476 M Conachy	Certified
2SSO10196	Active	712480 M Conachy	Certified
2SSO10196	Active	712488 M Conachy	Certified
2SSO10196	Active	712491 M Conachy	Certified
2SSO10196	Active	712493 M Conachy Sr	Certified
2SSO10196	Active	719552 M Conachy Sr	Certified
2SSO10196	Active	719833 M Conachy	Certified
2SSO10196	Active	720133 Roni Bonson	Certified
2SSO10196	Active	724288 M Conachy	Certified
2SSO10196	Active	726694 M. Conachy	Certified
2SSO10196	Active	727796 M Conachy	Certified
2SSO10196	Active	728232 M Conachy	Certified
2SSO10196	Active	730527 M Conachy	Certified
2SSO10196	Active	732669 M Conachy	Certified
2SSO10196	Active	733573 M. Conachy	Certified
2SSO10196	Active	733943 M. Conachy	Certified
2SSO10196	Active	738499 MConachy	Certified
2SSO10196	Active	740675 M. Conachy	Certified
2SSO10196	Active	740749 M. Conachy	Certified
2SSO10196	Active	741439 M. Conachy	Certified
2SSO10196	Active	741775 M. Conachy	Certified
2SSO10196	Active	745300 M. Conachy Sr	Certified
2SSO10196	Active	747230 M Conachy Sr	Certified

Operations Supervisor  
Operations Supervisor  
J. Brubaker  
Operations Supervisor  
Operations Supervisor  
Operations Supervisor  
Operations Supervisor  
Lead Maint Wk  
Lead Maint Wk  
Lead Maint. Wk  
Lead Maint. Wk  
Lead maint. Wk  
Lead Maint Wk  
Lead Maint. Worker  
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Lead Maint. Worker  
Sr. Office Assistant  
Lead Maint. Work  
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Lead maint> Wk  
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Lead Maint. Wk

South Bayside System Authority		608934
	4/18/2012	585510
South Bayside System Authority		443263
Home		806754
South Bayside System Authority		739737
South Bayside System Authority		158086
South Bayside System Authority		672180
	2/20/2008	987021
SCWA		282171
SCWA		622869
SCWA		138051
SCWA		606911
SCWA		723163
	9/12/2007	315203
	10/24/2007	131535
	11/14/2007	723434
SCWA		468208
	3/6/2008	964759
	3/6/2008	948575
SCWA		353462
	3/6/2008	828636
	3/6/2008	797267
SCWA		807834
SCWA		922351
SCWA		780637
	3/10/2008	356447
	3/6/2008	969389
	3/10/2008	798936
	3/10/2008	640798
	3/6/2008	146985
	2/20/2008	125232
	3/6/2008	551122
	2/20/2008	863510
	2/20/2008	191656
	2/25/2008	164245
	2/25/2008	647000
	3/11/2008	327691
SCWA		146959
	6/24/2008	342054
Santa Rosa, CA		733824
	9/8/2008	532705
SCWA		963996
	10/14/2008	902270
	10/22/2008	631316
SCWA		314659
	1/28/2009	688413
SCWA		534350
SCWA		314770
	6/4/2009	704606
	7/6/2009	280807
	7/7/2009	286055
	7/20/2009	380712
	7/23/2009	481629
SCWA- Sonoma		130065
SCWA		153309

6-Jan-12	1/6/2012	6-Jan-12	1/6/2012
27-Feb-12	2/27/2012	14-Mar-12	4/18/2012
23-Apr-12	4/23/2012	17-May-12	5/17/2012
13-Jan-13	1/13/2013	16-Jan-13	1/16/2013
28-Jun-13	6/28/2013	31-Jul-13	7/31/2013
7-Sep-13	9/30/2013	18-Oct-13	10/18/2013
30-Sep-13	9/30/2013	30-Sep-13	9/30/2013
28-Jan-08		20-Feb-08	2/20/2008
21-Jan-10		21-Jan-10	1/21/2010
18-Feb-11	2/18/2011	22-Feb-11	2/22/2011
21-Mar-11	3/21/2011	21-Mar-11	3/21/2011
24-Jan-12	1/24/2012	24-Jan-12	1/24/2012
4-Dec-12	12/4/2012	4-Dec-12	12/4/2012
23-Aug-07		23-Aug-07	9/12/2007
22-Oct-07		24-Oct-07	10/24/2007
13-Nov-07		14-Nov-07	11/14/2007
29-Nov-07		4-Dec-07	1/31/2011
7-Jan-08		29-Jan-08	3/6/2008
7-Jan-08		29-Jan-08	3/6/2008
7-Jan-08		29-Jan-08	1/29/2008
7-Jan-08		29-Jan-08	3/6/2008
7-Jan-08		29-Jan-08	3/6/2008
7-Jan-08		29-Jan-08	1/29/2008
7-Jan-08		29-Jan-08	1/29/2008
7-Jan-08		29-Jan-08	1/29/2008
9-Jan-08		29-Jan-08	3/10/2008
28-Jan-08		20-Feb-08	3/6/2008
28-Jan-08		20-Feb-08	3/10/2008
28-Jan-08		20-Feb-08	3/10/2008
28-Jan-08		20-Feb-08	3/6/2008
28-Jan-08		20-Feb-08	2/20/2008
28-Jan-08		20-Feb-08	3/6/2008
5-Feb-08		20-Feb-08	2/20/2008
5-Feb-08		20-Feb-08	2/20/2008
6-Feb-08		25-Feb-08	2/25/2008
6-Feb-08		25-Feb-08	2/25/2008
6-Feb-08		25-Feb-08	3/11/2008
16-Jun-08		31-Jan-11	1/31/2011
18-Jun-08		24-Jun-08	6/24/2008
23-Jun-08		24-Jun-08	6/24/2008
6-Aug-08		8-Sep-08	9/8/2008
22-Sep-08		22-Sep-08	9/23/2008
14-Oct-08		14-Oct-08	10/14/2008
22-Oct-08		22-Oct-08	10/22/2008
15-Dec-08		15-Dec-08	12/15/2008
28-Jan-09		28-Jan-09	1/28/2009
17-Feb-09		17-Feb-09	2/17/2009
23-Feb-09		23-Feb-09	2/23/2009
4-Jun-09		4-Jun-09	6/4/2009
6-Jul-09		6-Jul-09	7/6/2009
7-Jul-09		7-Jul-09	7/7/2009
20-Jul-09		20-Jul-09	7/20/2009
23-Jul-09		23-Jul-09	7/23/2009
1-Oct-09		1-Oct-09	10/1/2009
1-Dec-09		1-Dec-09	12/1/2009



Category 3		277	277
Category 2		56100	52700
Category 3		50	50
Category 2		3729	3729
Category 3		2	1
Category 3	3	323	320
Category 3	4	4	0
Category 1		100	0
Category 1		12000	0
Category 1		13	0
Category 1		300	0
Category 1		1168	0
Category 1		18000	0
Category 3		120	110
Category 1		270	40
Category 3		5	
Category 3		780	0
Category 1		42000	0
Category 1		1170	0
Category 1		13200	0
Category 1		40500	0
Category 1		46800	0
Category 1		82800	0
Category 1		276000	0
Category 1		18630	0
Category 1		200	0
Category 1		70680	0
Category 1		18750	0
Category 1		4800	0
Category 1		10500	0
Category 1		28500	0
Category 1		14400	0
Category 1		48000	0
Category 1		50000	0
Category 1		54000	0
Category 1		48000	0
Category 1		2100	0
Category 3		50	0
Category 3		50	0
Category 1		220	20
Category 3		5	0
Category 3		300	0
Category 3		30	0
Category 3		30	0
Category 3		50	0
Category 1		300	100
Category 1		4200	0
Category 1		16	0
Category 1		370	250
Category 1		76	20
Category 3		180	20
Category 3		5	5
Category 3		138	0
Category 3		100	0
Category 3		45	0

0 No	No
0 No	No
0 No	Yes
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100 Yes	Yes
12000 Yes	Yes
13 Yes	Yes
300 Yes	No
1168 Yes	No
18000 Yes	No
0 No	Yes
230 Yes	Yes
No	No
0 No	Yes
42000 Yes	Yes
1170 Yes	Yes
13200 Yes	Yes
40500 Yes	Yes
46800 Yes	Yes
82800 Yes	Yes
276000 Yes	Yes
18630 Yes	Yes
200 Yes	Yes
70680 Yes	Yes
18750 Yes	Yes
4800 Yes	Yes
10500 Yes	Yes
28500 Yes	Yes
14400 Yes	Yes
48000 Yes	Yes
50000 Yes	Yes
54000 Yes	Yes
48000 Yes	Yes
2100 Yes	Yes
0 No	No
0 No	No
200 No	Yes
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	Yes
200 Yes	Yes
4200 Yes	Yes
16 Yes	Yes
100 Yes	No
56 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	Yes

Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Yes  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Yes  
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Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
No

Redwood City Pump Station  
 Redwood Shores / Governors Bay Drive  
 San Carlos Airport  
 Redwood City Pump Station  
 FM RVA 100' East of Shoreway at business address 75 Shoreway  
 East Bayshore Road and Bair Island Road, Redwood City, Ca.  
 Bair Island Levee automatic air relief at station # 74+00 access shaft  
 Penn Ely L/S  
 Ely L/S 1-20-10  
 ely l/s 2-17-11  
 Ey L/S 3-20-2011  
 Penngrove L/S \_1-23-2012  
 49 Ely Rd 11-30-12  
 Joaquin Dr--Sonoma  
 SV-627 Princeton Ave-Boyes  
 275 Fifth St West  
 67 Central Ave Sonoma  
 17450 Vailetti Dr 1-08  
 15577 Brookview 1-08  
 402-4th St East/ 1-08  
 17350 Sonoma Highway/ 1-08  
 599 Bokman Pl/ 1-08  
 255 Specht Rd/ 1-08  
 400 E Watmaugh Rd/ 1-08  
 18579 Happy Ln/ 1-08  
 4th St East/ 1-8-08  
 SV 599 Bokman Pl / 1-25-08  
 392 4th St east / 1-25-08  
 18715 Meadowbrook Ave / 1-25-08  
 SV- 17450 Vailette / 1-25-08  
 SV 18579 Happy Ln / 1-26-08  
 SV- 17350 Sonoma Hwy / 1-25-08  
 SV Happy Ln 1-31-08  
 SV Bokman / 1-31-08  
 SV Bokman 2-2-08  
 SV Happy Ln 2-3-08  
 SV Rancho Vista 2-3-08  
 18751 Sonoma Highway- 6-12-08  
 SV-18880 Sonoma Hwy/ 6-18-08  
 SV-18175 Hwy 12 6-21-08  
 473 W Macarthur St/ 8-6-08  
 17109 Sonoma Hwy 9-22-08  
 17291 Hillcrest Sonoma 10-10-08  
 18555 Riverside Dr SV - 10-18-08  
 671 Ross Ct SV 12-12-08  
 Fourth St East SV- 1-26-2009- updated street  
 SV-17893 Greger st.-2-15-09  
 598 bokman place 02/22/09  
 201 Napa Rd 6-3-09  
 18784 Jami Lee Ln 6-30-09  
 18779 Jami Lee Ln- SV- 7-06-09  
 757 Donner 7/18/09  
 133 W Agua Caliente 7-23-09  
 756 Oak Ln 10-1-09  
 20 El Nido Ct 11-30-09

37.49359	-122.22169 San Mateo
37.53997	-122.23219 San Mateo
37.51324	-122.25201 San Mateo
37.49359	-122.22168 San Mateo
37.51988	-122.2617 San Mateo
37.49504	-122.22704 San Mateo
37.50024	-122.23892 San Mateo
38.28419	-122.66499 Sonoma
38.28286	-122.66544 Sonoma
38.28286	-122.66544 Sonoma
38.28273	-122.66529 Sonoma
38.28381	-122.66741 Sonoma
38.2836	-122.66652 Sonoma
38.29789	-122.46822 Sonoma
38.30881	-122.4933 Sonoma
38.29789	-122.46822 Sonoma
38.31597	-122.48182 Sonoma
38.32321	-122.48862 Sonoma
38.33952	-122.50911 Sonoma
38.2942	-122.44995 Sonoma
38.3214	-122.48635 Sonoma
38.316	-122.48868 Sonoma
38.26899	-122.457 Sonoma
38.26538	-122.45474 Sonoma
38.30876	-122.48186 Sonoma
38.242	-122.44995 Sonoma
38.316	-122.48868 Sonoma
38.2942	-122.44995 Sonoma
38.30694	-122.4773 Sonoma
38.32321	-122.48862 Sonoma
38.30876	-122.48186 Sonoma
38.3214	-122.48635 Sonoma
38.30876	-122.48186 Sonoma
38.316	-122.48868 Sonoma
38.316	-122.48868 Sonoma
38.30876	-122.48186 Sonoma
38.3214	-122.48635 Sonoma
38.30514	-122.47732 Sonoma
38.30514	-122.47732 Sonoma
38.31417	-122.48183 Sonoma
38.28707	-122.4683 Sonoma
38.32501	-122.48862 Sonoma
38.32317	-122.47948 Sonoma
38.30878	-122.48644 Sonoma
38.29435	-122.48425 Sonoma
38.2942	122.44995 Sonoma
38.31598	122.4841 Sonoma
38.316	122.48868 Sonoma
38.2762	-122.45695 Sonoma
38.30519	-122.48875 Sonoma
38.30519	-122.48875 Sonoma
38.28701	-122.45458 Sonoma
38.32502	-122.49091 Sonoma
38.28633	-122.45185 Sonoma
38.2846	-122.44695 Sonoma

[illegible]

#### Pump Station Driveway

The spill is in a seasonal wet lands area that borders Redwood Shores, Radio Rd, and behind the houses located on Govt Rd. The spill was located within a portion of the west taxiway at the San Carlos Airport.

The spill is located at the Redwood City Sewage pump station. Inside the scrubber bed.

100 ft. East of Shoreway Rd. in business parking area 75 Shoreway Rd. at Forcemain Automatic Air Relief.

090613 The exact location is still unknown as the area needs to be excavated. This will start on Monday Sept 9th. 09101 Automatic Air relief on forcemain

Grass, Blackberrys next to creek.

Spill seeped of from CO lid.

Overflow came from private MH in private road in mobile home park

Out of manhole traveled 10' to di. From there to Sonoma Creek less then 1/2 a mile away

Out of Mh into dirt V ditch pooled, then flowed into Nathenson Ck

Seeped out of Mh across street to gutter then into DI

Street/ flat

Flat, Cul-de-sac

ernors Bay Rd.

1  
1



Other (specify)  
Force main or pressure sewer  
Force main or pressure sewer  
Pump station;Other (specify)  
Force main or pressure sewer  
Force Main  
Force Main  
Other (specify)  
Manhole;Pump station  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other (specify)  
Other (specify)  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Building or structure  
Other (specify)  
Manhole  
Manhole  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other (specify)  
Manhole  
Gravity sewer

Contractor's Vacuum Truck

The spill was out of the ground then spread over a flat area that is typically dry. This area is clay and bay mud so water did not  
Coming up through the asphalt.

The pump station has a air scrubber bed. The spill was out of a air releif located inside this scrubber bed.

No spill ever notice. Flooding at L/S. Both pumps on and operating. Pumps were pumping more then avg. flow

Manhole just outside L/S

Private property line Clean-out

Main Line CO

Odor complaint coming from DI. After full investigation it was found sewer seeped from cracked sewer pipe, sewer seepe

End of Line Clean out

Private MH

Private CO in storage area

Mainline Clean out in private driveway

Out of Private CO under home. Private plumber pulled CO cap of private lateral causing spill. Plumber replaced cap cont

Seeped from Mh crossed street into crub drained into DI

Overflow was at end of the line Mh.

Property CO

No overflow was occuring when crew arrived. There was signs of an overflow so crew ran line and rinsed and vac up areæ

End of the line CO

Other paved surface  
Unpaved surface  
Separate storm drain  
Building or structure;Other (specify below)  
Unpaved surface  
Street/Curb and Gutter;Separate storm drain  
Unpaved surface  
Storm drain;Street/curb and gutter;Surface water;Unpaved surface;Other (specify below)  
Surface water;Unpaved surface  
Surface water  
Street/curb and gutter;Surface water;Unpaved surface  
Surface water  
Surface water  
Storm drain;Street/curb and gutter  
Storm drain;Street/curb and gutter;Surface water;Unpaved surface  
Street/curb and gutter  
Separate storm drain  
Building or structure;Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water;Unpaved surface  
Storm drain;Street/curb and gutter;Surface water;Unpaved surface  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Street/curb and gutter;Unpaved surface  
Street/curb and gutter;Unpaved surface  
Building or structure;Storm drain;Unpaved surface;Other (specify below)  
Other (specify below)  
Storm drain;Unpaved surface;Other (specify below)  
Other paved surface  
Other (specify below)  
Other paved surface  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Surface water;Unpaved surface;Other (specify below)  
Storm drain;Street/curb and gutter  
Storm drain;Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Storm drain;Street/curb and gutter

This is noted as surface water only because there is currently standing water in the location. Typically it is dry and it does not  
The spill went into the airport storm drain system.

The underdrain system for the scrubberbed flows back into the pump station.

The initial inspection completed on the 6th it looked like the spill went into a swell that has french drain type system. From

No spill ever notice. Flooding at L/S. If any was lost it is assumed it would have gone into storm drain into creek.

Lift Station flooded due to rain and flooding. Drainage ditch and creek jumping bank inundating L/S. Overflow is best is e:

Much of the spill was spread by traffic and evaporated. Rest was recovered except est. about 10 gals that may have adsc

Creek was up 20ft and running at 15 ft per sec

Overflow seeped from Private Mh traveled accross driveway (private street) to dirt area between street and creek and ab:  
Overflow seeped from private MH across private street, traffic spread some of the overflow across private street, then tra  
What daylighted out of storm drain absorbed into dirt in man made ditch

Private Driveway

Overflow seeped from Mh traveled 442ft down V-ditch part dirt part asphalt. went into DI traveled 200ft in storm drain and  
seeped onto street traveled to asphalt V ditch and dirt area

Dirt area under home. Private plumber pulled CO cap of private lateral causing spill. Plumber replaced cap containing sp  
Daylighted in roadside V ditch and pooled

Most of spill remained in street spread by traffic and in gutter. Unclear on amount that hit Nathenson ck.

Overflow seeped into dirt V ditch, pooled along a 500ft legth of the dirt V-ditch and dumped into culvert that dumped into  
Spill pooled in gutter trapped in DI, downstream DI boxes were dry.

Spill pooled in curb, gutter and DI, downstream DI was dry and Dowdall creek was dry

Contained on dirt and grass, absorbed into ground.

Seeped out of Mh traveled across street and traveled and in gutter. Some pooling in gutter, but could have been caused l

12/5/2011 10:15	12/5/2011 10:20	12/5/2011 10:20	12/5/2011 10:20
2/27/2012 11:24	2/27/2012 11:24	2/27/2012 11:39	2/27/2012 11:39
4/18/2012 0:00	4/19/2012 8:59	4/19/2012 9:15	4/19/2012 9:24
1/12/2013 13:52	1/12/2013 13:56	1/12/2013 14:20	1/12/2013 14:25
6/19/2013 7:00	6/20/2013 9:00	6/20/2013 8:55	6/20/2013 9:00
9/3/2013 6:30	9/6/2013 8:48	9/6/2013 9:00	9/6/2013 9:00
8/15/2013 16:00	8/26/2013 14:30	8/26/2013 14:30	8/26/2013 14:31
1/25/2008 15:00	1/25/2008 15:00	1/25/2008 16:00	1/26/2008 6:00
1/20/2010 10:55	1/20/2010 10:55	1/20/2010 10:55	1/20/2010 12:49
2/17/2011 15:00	2/17/2011 15:00	2/17/2011 15:00	2/17/2011 16:05
3/20/2011 4:50	3/20/2011 4:50	3/20/2011 4:50	3/20/2011 7:00
1/23/2012 11:36	1/23/2012 11:36	1/23/2012 11:36	1/23/2012 16:28
11/30/2012 5:36	11/30/2012 5:36	11/30/2012 6:00	11/30/2012 17:36
8/22/2007 9:30	8/22/2007 9:30	8/22/2007 10:15	8/22/2007 10:30
10/21/2007 12:00	10/21/2007 12:01	10/21/2007 14:00	10/21/2007 14:15
11/8/2007 10:57	11/8/2007 10:57	11/8/2007 11:15	11/8/2007 11:20
11/26/2007 7:00	11/26/2007 8:00	11/26/2006 9:00	11/28/2007 11:00
1/4/2008 10:00	1/4/2008 10:00	1/4/2008 10:30	1/5/2008 21:00
1/4/2008 11:30	1/4/2008 17:00	1/4/2008 17:05	1/4/2008 17:05
1/4/2008 11:15	1/4/2008 11:15	1/4/2008 11:15	1/4/2008 21:30
1/4/2008 12:00	1/4/2008 12:00	1/4/2008 12:00	1/4/2008 21:00
1/4/2008 9:45	1/4/2008 10:00	1/4/2008 10:00	1/4/2008 21:30
1/4/2008 8:20	1/4/2008 8:20	1/4/2008 10:00	1/6/2008 6:00
1/4/2008 10:30	1/4/2008 10:30	1/4/2008 11:00	1/6/2008 6:00
1/4/2008 8:00	1/4/2008 8:00	1/4/2008 8:00	1/4/2008 21:30
1/8/2008 19:50	1/8/2008 19:50	1/8/2008 19:50	1/8/2008 20:30
1/25/2008 18:00	1/25/2008 18:00	1/25/2008 20:15	2/26/2007 15:00
1/25/2008 20:25	1/25/2008 20:25	1/25/2008 20:25	1/26/2008 8:00
1/25/2008 20:19	1/25/2008 20:19	1/25/2008 20:19	1/26/2008 8:30
1/25/2008 19:30	1/25/2008 19:30	1/25/2008 19:30	1/26/2008 8:00
1/25/2008 20:14	1/25/2008 20:14	1/25/2008 20:14	1/26/2008 15:30
1/25/2008 20:00	1/25/2008 20:00	1/25/2008 20:00	1/26/2008 8:00
1/31/2008 21:18	1/31/2008 21:18	1/31/2008 21:18	2/1/2008 3:30
1/31/2008 17:40	1/31/2008 17:40	1/31/2008 19:30	2/1/2008 3:30
2/2/2008 23:17	2/2/2008 23:17	2/3/2008 0:40	2/3/2008 8:00
2/3/2008 0:45	2/3/2008 0:45	2/3/2008 0:45	2/3/2008 8:00
2/3/2008 0:30	2/3/2008 0:30	2/3/2008 0:30	2/3/2008 4:00
6/12/2008 18:00	6/12/2008 17:45	6/12/2008 18:45	6/12/2008 19:30
6/12/2008 17:45	6/12/2008 17:45	6/12/2008 17:45	6/12/2008 18:30
6/21/2008 9:00	6/21/2008 11:20	6/21/2008 12:00	6/21/2008 12:45
8/5/2008 22:25	8/5/2008 22:27	8/6/2008 0:00	8/5/2008 22:30
9/22/2008 9:15	9/22/2008 9:15	9/22/2008 9:30	9/22/2008 10:30
10/10/2008 19:30	10/10/2008 19:30	10/10/2008 20:00	10/10/2008 20:15
10/18/2008 14:50	10/18/2008 14:50	10/18/2008 15:35	10/18/2008 14:50
12/12/2008 11:10	12/12/2008 11:24	12/12/2008 12:00	12/12/2008 12:15
1/26/2009 9:01	1/26/2009 9:01	1/26/2009 9:05	1/26/2009 10:08
2/15/2009 11:45	2/15/2009 11:45	2/15/2009 11:45	2/15/2009 14:05
2/22/2009 14:37	2/22/2009 14:37	2/22/2009 14:37	2/22/2009 14:45
6/3/2009 9:03	6/3/2009 9:03	6/3/2009 9:30	6/3/2009 9:40
6/30/2009 16:00	6/30/2009 16:00	6/30/2009 16:15	6/30/2009 16:38
7/7/2009 19:25	7/7/2009 19:25	7/7/2009 20:40	7/7/2009 21:00
7/18/2009 13:50	7/18/2009 13:50	7/18/2009 14:25	7/18/2009 13:55
7/23/2009 10:44	7/23/2009 10:44	7/23/2009 11:20	7/23/2009 11:30
10/1/2009 9:28	10/1/2009 9:28	10/1/2009 9:57	10/1/2009 9:57
11/30/2009 13:20	11/30/2009 13:20	11/30/2009 13:45	11/30/2009 14:05

Other (specify below)  
Pipe structural problem/failure  
Pipe structural problem/failure  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure  
Other (specify below)  
Rainfall exceeded design  
Rainfall exceeded design (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Rainfall exceeded design (Separate CS Only)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debris  
Pipe structural problem/failure  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Rainfall exceeded design  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Flow exceeded capacity  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Pipe structural problem/failure  
Root intrusion  
Pipe structural problem/failure  
Grease deposition (FOG)  
Flow exceeded capacity  
Debris-General  
Debris-Rags  
Root intrusion  
Root intrusion  
Debris-Rags  
Root intrusion  
Root intrusion

Truck operator for the contractor cleaning the wetwell opened the wrong valve on the vacuum truck.  
The point of release is located along a pipe joint. The pipe will need to be fully excavated to determine the cause. This work

The spill point occurred at a faulty automatic air relief.  
automatic force main air relief valve obstructed with grease and other debris. The operator inspected the site on June 19th  
090613 Still unknown. The excavation will not begin until Monday the 9th. 091213 The cause is unknown. The appearance  
The automatic air relief valve had grease in the valve. The last time the ARV was checked was on the 15th when it was closed.  
Due to severe storm Flooding occurred and flooding about the Lift station. Ending time is est. of area returning to normal. 1  
Sever storm and flooding  
severe storm and flooding

Due to heavy rains and some flooding

Shirt tied into a knot restricted line.

Sever I&I due to large amount of rain dropped in short period of time.  
No overflow when crew arrived. Est. Overflow and time.  
Due to severe storms and flooding. System was overwhelmed Overflow was controlled and posted.

Severe storms and flooding causing sever I&I  
Due to severe storms and flooding. System was overwhelmed  
System was still charged from recent storms when winery discharged into system causing overflow.

Roots removed were the size of a lateral. Lateral may have been cleaned recently and roots partially blocked siphon.

Roots from Mh barrels restricted flow in Mh channel

Roots in mh restricted flow in channel

Line restricted with grease combined with I&I due to heavy rains caused overflow  
Crew was on site when manhole began to seep.  
An inflated pouch of Capri Sun along with minor grease and general debris  
Main cause were rags, some roots and grease

There was no overflow when crew arrived. Crew cleaned line anyway and pulled out some roots. Believe roots may have  
Shampoo bottle, paper towels and some grease  
Baby wipe towels

Other (specify below)

Main

Other (specify below)

Other (specify below)

Other (specify below)

Force Main

Air Relief Valve (ARV)/Blow-Off Valve (BOV)

No discharge was ever noticed.

Other (specify below)

Other (specify below)

Main

Main

Main

Main

Main



The failure occurred at contractor's equipment.

The leak was at a pipe joint, and the cause appears to be due to settling. The pipe in this area is in young bay mud which is 48 inch forcemain bell and spigot.

The failure was located on an automatic air relief.

54 Force main automatic air relief

100213 This is a force main, and typically our experience with leaks is from an O ring failure at the bell and spigot due to

water seeping from bolt holes in manhole lid.

Pumps could not keep up with flow.

PVT sewer main

is prone to movement. This p

54 RCP

48

2

No

48 RCP

No



Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst  
Cleaned-up (mitigated effects of spill);Returned all or portion of spill to sanitary sewer system;Other (specify below)  
Contained all or portion of spill;Returned all or portion of spill to sanitary sewer system;Other (specify below)  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill

Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Inspected sewer using CCTV to determine cause; Re

The contractor used the vacuum truck to pick up all the spilled material including the water used to flush the area after work. The immediate action was to make the necessary calls to the CEMA and County Health, establish signs and fencing in the area. The south and east storm drain pumps were locked out at 09:30 and 09:45. Then ~3,000 gallons of water was used to flush the area. The procedure for installing and cleaning the air reliefs will be looked at. Until then the other (6) air reliefs will be inspected.

Once area returned to normal area was rinsed and vac up.

Check area for debris. None was found, debris held back by lid. Area washed down by rain. Creek jumped the bank flooding Mh. Creek returned to its banks. No sign of debris. Nothing to clean.

After 2 days of investigating odor complaint. Problem was found. Sewer was contained. None of the sewer daylighted and overflow was controlled and posted. Once overflow ceased area was rinsed and vac up.

Due to severe storms and flooding. System was overwhelmed. Overflow was controlled and posted. Once overflow ceased area was rinsed and vac up. Overflow was controlled and posted. Once overflow ceased area was rinsed and vac up. Overflow was controlled and posted. Once overflow ceased area was rinsed and vac up. Overflow was controlled and posted. Once overflow ceased area was rinsed and vac up. Overflow was controlled and posted. Once overflow ceased area was rinsed and vac up.

Flow was controlled into DI and covered and posted.

System was overwhelmed. Overflow was controlled and covered into DI. barricades and signs posted. Once flow returned to normal area was rinsed and vac up.

Overflow was controlled into DI and posted. Controlled and cover flow into DI and Posted. Overflow was controlled and posted. Once overflow ceased area was rinsed and vac up. Overflow was controlled and posted. Once overflow ceased area was rinsed and vac up. Overflow was controlled and posted. Once overflow ceased area was rinsed and vac up.

Reschedule line to be cleaned more frequent and monitor line for the next few months.

Spill absorbed into dirt while traveling to DI. Spill daylighted in dirt colvert and contained itself and absorbed into dirt. DI blocked.

Operator located overflow. Was not called in. Temporally sealed manhole lid. No debris came from lid. Heavy rains were occurring at the time and flushed down area. Operators arrived on site first and dammed up creek, Crew arrived open line then suck out dammed area of creek 2,000 ft.

Line was opened, area rinsed down, area and DI vac out. Inspected downstream DI and creek for signs of over flow. Both lines were flowing slightly when crew arrived, ran line anyway. And it appeared line was restricted. Roots may have been caught.

3/16/2012 16:00

1/13/2013 20:00

1/26/2008 7:00  
1/20/2010 13:49  
2/17/2011 16:05  
3/21/2011 8:00  
1/23/2012 16:28  
11/30/2012 17:36  
8/22/2007 11:00  
10/21/2007 16:00

11/28/2007 11:00  
1/5/2008 21:00  
1/4/2008 23:45  
1/4/2008 21:30  
1/4/2008 21:00  
1/4/2008 11:30  
1/7/2008 12:00  
1/6/2008 6:00  
1/4/2008 21:30  
1/8/2008 20:30  
1/26/2008 15:00  
1/26/2008 8:00  
1/26/2008 8:45  
1/26/2008 8:00  
1/26/2008 15:30  
1/26/2008 8:00  
2/1/2008 8:00  
2/1/2008 3:30  
2/4/2008 10:00  
2/3/2008 8:30  
2/3/2008 4:00

6/21/2008 14:30

9/22/2008 12:00

1/26/2009 10:08  
2/15/2009 14:30  
2/22/2009 6:00  
6/3/2009 12:10  
6/30/2009 17:10  
7/7/2009 21:40

11/30/2009 16:00

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance;Other (specify below)

Repaired sewer

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Adjusted schedule/method of preventive maintenance

Repaired sewer

Adjusted schedule/method of preventive maintenance

Repaired sewer;Other (specify below)

Enforcement action against FOG source

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance;Other (specify below)

The repair is still on going. 3/14/2012 The final repair is waiting on a fabricated collar. The expected delivery for the collar  
The inlet valves to remaining automatic air reliefs were closed, and will be replaced with other units to confirm their integrity

If there was an overflow it was caused by severe weather and flooding. Nothing to be done.

Overflow was caused by flooding

bolt holes to be welded closed

Overflow was due to flooding and I&I

None at this time. Caused by heavy rains and some flooding

Video lines to locate I&I, once found make repairs

Line will be videoed to determine if further action is needed

Due to severe storms and flooding. System was overwhelmed Overflow was controlled and posted. Once overflow ceased

System was overwhelmed due to storm and flooding

Overflow due to severe storms and flooding. System was overwhelmed Overflow was controlled and posted. Once overflow ceased

Due to severe storms and flooding. System was overwhelmed Overflow was controlled and posted. Once overflow ceased

Due to severe storms and flooding. System was overwhelmed Overflow was controlled and posted. Once overflow ceased

Due to severe storms and flooding. System was overwhelmed Overflow was controlled and posted. Once overflow ceased

Due to severe storms and flooding. System was overwhelmed Overflow was controlled and posted. Once overflow ceased

Due to severe storms and flooding. System was overwhelmed Overflow was controlled and posted. Once overflow ceased

Discuss with winery not to discharge when system is full

Once system returned to normal area was picked up rinsed down clean and debris was vac up.

Due to severe weather. System was overwhelmed

Once system returned to normal area was rinsed down and vac up.

While overflow was occurring area was barricaded and posted. Once system returned to normal area was rinsed down and

Overflow was due to severe weather and flooding.

Due to severe storms and flooding. System was overwhelmed. Nothing to be done at this time.

System was overwhelmed due to heavy rains and flooding. Nothing to be done at this time.

Overflow was due to Heavy rains and flooding. Nothing to be done at this time

Due to severe storms and flooding. System was overwhelmed No action taken at this time.

Due to severe storms and flooding. System was overwhelmed. Nothing to be done at this time.

Due to severe storms and flooding. System was overwhelmed. Nothing to be done at this time.

Investigating source of FOG. If found, action against source will be taken

Temp. sealed mh, will follow up with installing Mh bolt down lid.

Line was last cleaned 5-13-09, Line is on monthly list to be cleaned. Will inform public of FOG upstream of SSO. Line will

Lined will be videoed



Yes

Yes

No

No

No

No

No

No

No

No

Yes

No

No

No

No

No

No

No

No

No

No

No

No

Yes

No

No

No

No

No

No

No

Yes

No

No

No

No

No

No

No

No

No receiving waters were impacted. The point where the spill occurred was in an air scrubber bed. The spill was captured in  
None

Creek up 3 to 4 ft of normal  
Higher and running faster than normal due to heavy rains  
Luchau Creek jumped its banks, Est. 10ft higher than normal est. running 10 fps.

Creek was up 20ft and running at 15 per sec

Creek was up 10ft and running at 15 per sec  
Creek was up 20ft and running at 15 per sec  
Creek was up 20ft and running at 15 ft per sec  
Creek was up 18ft and running at 12 ft per sec

Creek was up 20ft and running at 15 ft per sec

Creek was up by 5 to 8 ft and flowing at 15ft per sec.

Sonoma creek was 5 to 8 ft over normal and rushing at about 15 feet per sec.

Sonoma creek was est. 3' higher than normal running 3' per second  
Sonoma creek was 5ft+ and traveling at 6ft+ a sec.  
Creek was flowing at 15gpm. No debris reached creek.

Yes

No

No  
Yes  
No  
No  
No  
No  
No  
Yes

No  
Yes  
No  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
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No

No

Yes  
No  
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No  
No  
No

No

None

NA  
NA

N/A  
NA

NA  
NA  
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NA  
NA

NA

NA

NA  
NA  
n/a  
NA  
NA  
NA

NA

There is no name. Typically this area is dry. The soil is clay and bay mud, so when it rains the water collects and does no

None

Lichau Creek  
Lichua Ck  
Lichau Creek  
Willowbrook Ck  
Licheau Creek  
Luchua Creek  
N/A  
Sonoma Creek

NA  
Sonoma Creek  
Sonoma Creek  
Nathenson Ck  
Sonoma Creek  
Sonoma Creek  
Nathenson Ck  
Nathenson Creek  
Sonoma Creek  
Nathenson Creek  
Sonoma Creek  
Nathenson Creek  
Agua Caliente Creek  
Sonoma Creek  
Sonoma Creek  
Sonoma Creek  
Sonoma Creek  
Sonoma Creek  
Sonoma Creek  
Sonoma Creek  
Sonoma Creek

NA

NA

Nathenson Creek  
Sonoma creek  
Sonoma creek  
Nathenson Creek  
NA  
NA

NA

Biological indicator(s) - specify below

No water quality samples taken;Not applicable to this spill

Dissolved oxygen;Other (specify below)

Dissolved oxygen

Dissolved oxygen

Dissolved oxygen;Other (specify below)

Dissolved oxygen

No water quality samples taken

No water quality samples taken

Dissolved oxygen;Other (specify below)

Not applicable to this spill

No water quality samples taken

No water quality samples taken

Dissolved oxygen;Other (specify below)

No water quality samples taken

Dissolved oxygen

Dissolved oxygen;Other (specify below)

Dissolved oxygen

Dissolved oxygen

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

Dissolved oxygen

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

Dissolved oxygen

Dissolved oxygen;Other (specify below)

Dissolved oxygen;Other (specify below)

No water quality samples taken

Dissolved oxygen;Other chemical indicator(s) - specify below

Dissolved oxygen

Dissolved oxygen

Dissolved oxygen;Other (specify below)

Fecal coliform and ammonia

Ammonia, Fecal Coli. No thing was abserved discharging system. Water was tested going into Lift Station

Ammonia, Fecal Coli

ammonia, fecal coli

Ammonia, Fecal Coli

Ammonia, Fecal Coli

Ammonia, Fecal Coli

Ammonia, Fecal Coli

Ammonia, Fecal Coli

Ammonia, Fecal Coli

Ammonia, Fecal Coli

Ammonia, Fecal Coli

Ammonia, Fecal Coli

Ammonia, Fecal Coli.

Ammonia, Fecal Coli

ammonia, fecal coli

Ammonia, Fecal Coli

Ammonia, Fecal Coli

Ammonia, Fecal Coli

Ammonia, Fecal matter

None of the above

No water quality samples taken;Not applicable to this spill

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

No water quality samples taken

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

Regional Water Quality Control Board

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

No water quality samples taken

No water quality samples taken

No water quality samples taken

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

Regional Water Quality Control Board



Samples sent to lab to be reported at a later date.

This Overflow was called in twice. OES numbers are-- 08-0726 and 08-0729

Notified Redcomm

I interviewed two people that worked at the housing construction site nearby. From the interviews I received a start date a  
The area of the wet spot was measured and the depth by digging down until there was dry dirt.

121131	2/27/2012 13:24
130265	1/13/2013 1:22
80722	1/25/2008 17:37
100463	1/20/2010 11:15
110975	2/17/2011 15:20
111684	3/20/2011 6:10
120465	1/23/2012 11:48
127235	11/30/2012 9:32
76430	10/21/2007 15:30
77374	11/28/2007 11:20
80093	1/4/2008 10:30
80095	1/4/2008 15:00
80091	1/4/2008 15:00
80090	1/4/2008 15:00
80075	1/4/2008 15:00
80074	1/4/2008 15:00
80096	1/4/2008 15:00
80092	1/4/2008 15:00
80298	1/8/2008 20:05
80726	1/25/2008 19:55
80732	1/25/2008 20:52
80731	1/25/2008 20:49
80727	1/25/2008 20:29
80730	1/25/2008 20:46
80728	1/25/2008 20:39
80967	1/31/2008 21:05
80966	1/31/2008 18:37
81026	2/2/2008 23:30
81029	2/3/2008 1:57
81023	2/3/2008 0:49
84423	6/21/2008 13:50
86884	9/22/2008 14:15
88871	12/12/2008 13:45
90770	1/26/2009 10:50
91290	2/15/2009 12:27
91534	2/22/2009 14:54
94097	6/3/2009 9:54
94715	6/30/2009 16:53
94846	7/7/2009 21:22
98011	11/30/2009 14:06

Jeff Brubaker Operations Super  
Jeff Brubaker Operations Sup

6508326258  
6508326258

2SSO10196	Active	748571 M Conachy Sr	Certified
2SSO10196	Active	748598 M Conachy St	Certified
2SSO10196	Active	748601 M Conachy Sr	Certified
2SSO10196	Active	748607 M Conachy	Certified
2SSO10196	Active	748625 M Conachy Sr	Certified
2SSO10196	Active	748751 M Conachy Sr	Certified
2SSO10196	Active	749806 M Conachy Sr	Certified
2SSO10196	Active	754462 Roni Bonson	Certified
2SSO10196	Active	754873 Roni Bonson	Certified
2SSO10196	Active	759645 M Conachy Sr	Certified
2SSO10196	Active	759966 M Conachy Sr	Certified
2SSO10196	Active	759975 M Conachy Sr	Certified
2SSO10196	Active	759984 M Conachy Sr	Certified
2SSO10196	Active	759985 M Conachy Sr	Certified
2SSO10196	Active	760077 M Conachy Sr	Certified
2SSO10196	Active	760078 M Conachy Sr	Certified
2SSO10196	Active	760471 M Conachy Sr	Certified
2SSO10196	Active	764555 M Conachy Sr	Certified
2SSO10196	Active	764595 M Conachy Sr	Certified
2SSO10196	Active	764874 M Conachy Sr	Certified
2SSO10196	Active	764876 M Conachy Sr	Certified
2SSO10196	Active	764882 M Conachy Sr	Certified
2SSO10196	Active	772640 Roni Bonson	Certified
2SSO10196	Active	772828 Erik Brown	Certified
2SSO10196	Active	773942 Michael Conachy	Certified
2SSO10196	Active	776221 M. Conachy Sr	Certified
2SSO10196	Active	782078 Erik Brown	Certified
2SSO10196	Active	788674 M Conachy Sr	Certified
2SSO10196	Active	788682 M Conachy Sr	Certified
2SSO10196	Active	788688 M. Conachy Sr	Certified
2SSO10196	Active	788716 M Conachy Sr	Certified
2SSO10196	Active	789086 M Conachy Sr	Certified
2SSO10196	Active	789087 M Conachy Sr	Certified
2SSO10196	Active	789312 M Conachy Sr	Certified
2SSO10196	Active	789323 M Conachy Sr	Certified
2SSO10196	Active	789326 M Conachy Sr	Certified
2SSO10196	Active	789332 M Conachy Sr	Certified
2SSO10196	Active	789338 M Conachy	Certified
2SSO10196	Active	789348 M Conachy Sr	Certified
2SSO10196	Active	789687 M Conachy Sr	Certified
2SSO10196	Active	798313 Erik Brown	Certified
2SSO10196	Active	800028 Erik Brown	Certified
2SSO10197	Active	707963 Jonathon Goldman	Certified
2SSO10197	Active	784481 John Ferons	Certified
2SSO10197	Active	784483 John Ferons	Certified
2SSO10198	Active	653436 Douglas Humphrey	Certified
2SSO10198	Active	653566 Douglas Humphrey	Certified
2SSO10198	Active	653567 Douglas Humphrey	Certified
2SSO10198	Active	654064 Douglas Humphrey	Certified
2SSO10198	Active	656525 Douglas Humphrey	Certified
2SSO10198	Active	657915 Douglas Humphrey	Certified
2SSO10198	Active	657917 Douglas Humphrey	Certified
2SSO10198	Active	657924 Douglas Humphrey	Certified
2SSO10198	Active	705132 Douglas Humphrey	Certified
2SSO10198	Active	705143 Douglas Humphrey	Certified

Lead Maint. Wk  
Lead Maint. Wk  
Lead Maint. Wk  
Lead Maint Wk  
Lead Maint. Wk  
Lead Maint Wk  
Lead Maint Wk  
Sr. Office Assistant  
Sr. Office Assistant  
Lead Maint Wk  
Lead maint Wk  
Lead maint. Wk  
Lead Maint. Wk  
Lead Maint Wk  
Lead Maint Wk  
Lead Maint Wk  
Lead Maint Wk  
Lead Maint Wk  
Lead Maint. Wk  
Lead Maint Wk  
Lead Maint. Wk  
Lead maint Wk  
Senior Office Asst.  
Coordinator  
Lead Maint. Wk  
Lead Maint. Wk  
Coordinator  
Lead Maint Wk  
Lead Maint Wk  
Lead Maint Wk  
Lead Maint Wk  
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Lead Maint Wk  
Lead Maint Wk  
Lead Maint Wk  
Lead maint Wk  
Lead Maint. Wk  
Lead Maint Wk  
Coordinator  
Coordinator  
Director of Public Works and City Engineer  
City Engineer  
City Engineer  
District Manager  
District Manager  
District Manager  
District Manager  
District Manager  
District Manager  
District Manager  
District Manager  
District Manager  
District Manager

	1/21/2010	709898
	1/21/2010	927231
	1/21/2010	949705
SCWA		348877
SCWA		803373
SCWA		700839
SCWA		813551
Santa Rosa, CA		784724
Santa Rosa, CA		576910
SCWA		133109
SCWA		482595
SCWA		814296
SCWA		507329
SCWA		422525
SCWA		415078
SCWA		618207
SCWA		927685
SCWA		364485
SCWA		521840
SCWA		367564
SCWA		953496
SCWA		657288
Santa Rosa		824981
Santa Rosa		855478
SCWA		635512
SCWA		135040
Santa Rosa		347228
SCWA		972193
SCWA		962976
SCWA		127423
SCWA		895729
SCWA		945438
SCWA		610481
SCWA		119910
SCWA		785670
SCWA		984978
SCWA		423470
SCWA		517965
SCWA		331586
SCWA		911655
Santa Rosa		850777
Santa Rosa		121124
	912	939011
	8/1/2012	323429
	8/1/2012	424293
El Cerrito, CA		376524
El Cerrito, CA		112551
El Cerrito, CA		173856
El Cerrito, CA		455449
El Cerrito, CA		505964
El Cerrito, CA		173944
El Cerrito, CA		619860
El Cerrito, CA		820146
El Cerrito, CA		937917
El Cerrito, Ca		494945

21-Jan-10		21-Jan-10	1/21/2010
21-Jan-10		21-Jan-10	1/21/2010
21-Jan-10		21-Jan-10	1/21/2010
21-Jan-10		21-Jan-10	1/21/2010
21-Jan-10		21-Jan-10	1/21/2010
25-Jan-10		25-Jan-10	1/25/2010
25-Feb-10		25-Feb-10	2/25/2010
7-Jul-10	7/7/2010	23-Jul-10	7/23/2010
14-Jul-10	7/14/2010	14-Jul-10	7/14/2010
21-Dec-10	12/21/2010	21-Dec-10	1/11/2012
29-Dec-10	12/29/2010	3-Jan-11	1/3/2011
29-Dec-10	12/29/2010	3-Jan-11	1/3/2011
29-Dec-10	12/29/2010	3-Jan-11	1/3/2011
29-Dec-10	12/29/2010	3-Jan-11	1/3/2011
3-Jan-11	1/3/2011	3-Jan-11	1/3/2011
3-Jan-11	1/3/2011	3-Jan-11	1/3/2011
10-Jan-11	1/10/2011	10-Jan-11	1/10/2011
21-Mar-11	3/21/2011	21-Mar-11	3/21/2011
21-Mar-11	3/21/2011	21-Mar-11	3/21/2011
29-Mar-11	3/29/2011	29-Mar-11	3/29/2011
29-Mar-11	3/29/2011	29-Mar-11	3/29/2011
29-Mar-11	3/29/2011	29-Mar-11	3/29/2011
2-Nov-11	11/2/2011	9-Nov-11	11/9/2011
8-Nov-11	11/8/2011	9-Nov-11	11/9/2011
12-Dec-11	12/12/2011	12-Dec-11	12/12/2011
23-Jan-12	1/23/2012	23-Jan-12	1/23/2012
12-Jun-12	6/12/2012	12-Jun-12	6/12/2012
3-Dec-12	12/3/2012	3-Dec-12	12/3/2012
3-Dec-12	12/3/2012	3-Dec-12	12/3/2012
3-Dec-12	12/3/2012	3-Dec-12	12/3/2012
3-Dec-12	12/3/2012	3-Dec-12	12/3/2012
17-Dec-12	12/17/2012	17-Dec-12	12/17/2012
17-Dec-12	12/17/2012	17-Dec-12	12/17/2012
24-Dec-12	12/24/2012	24-Dec-12	12/24/2012
24-Dec-12	12/24/2012	24-Dec-12	12/24/2012
24-Dec-12	12/24/2012	24-Dec-12	12/24/2012
24-Dec-12	12/24/2012	24-Dec-12	12/24/2012
24-Dec-12	12/24/2012	24-Dec-12	12/24/2012
24-Dec-12	12/24/2012	24-Dec-12	12/24/2012
7-Jan-13	1/7/2013	7-Jan-13	1/7/2013
29-Aug-13	8/30/2013	30-Aug-13	8/30/2013
22-Oct-13	10/22/2013	22-Oct-13	10/22/2013
21-Nov-07		21-Nov-07	11/21/2007
1-Aug-12	8/1/2012	1-Aug-12	8/1/2012
1-Aug-12	8/1/2012	1-Aug-12	8/1/2012
2-Jul-07		3-Jul-07	12/22/2010
5-Jul-07		6-Jul-07	12/22/2010
5-Jul-07		30-Jul-07	12/22/2010
12-Jul-07		12-Jul-07	10/24/2007
29-Aug-07		29-Aug-07	8/29/2007
24-Sep-07		24-Sep-07	9/24/2007
24-Sep-07		24-Sep-07	9/24/2007
24-Sep-07		24-Sep-07	9/24/2007
12-Oct-07		24-Oct-07	10/24/2007
12-Oct-07		12-Oct-07	10/12/2007



Category 1	29250	0
Category 1	15600	0
Category 1	360	0
Category 1	1220	0
Category 1	6930	0
Category 1	150	0
Category 1	6120	0
Category 1	365	200
Category 1	20150	0
Category 1	2400	0
Category 1	3150	0
Category 1	17875	0
Category 1	2248	0
Category 1	5560	0
Category 1	500	0
Category 3	50	0
Category 1	1000	0
Category 1	2250	0
Category 1	4575	0
Category 1	1800	0
Category 1	805	0
Category 1	525	0
Category 1	220	0
Category 3	900	0
Category 1	1200	500
Category 1	30	0
Category 1	5	4
Category 1	9262	0
Category 1	12750	0
Category 1	45075	0
Category 1	630	0
Category 1	80	0
Category 3	123	123
Category 1	88	0
Category 1	1650	0
Category 1	18000	0
Category 1	8550	0
Category 1	2275	0
Category 1	9000	0
Category 1	200	0
Category 1	550	25
Category 3	420	0
Category 1	2000	200
Category 1	50	50
Category 1	500	400
Category 1	50	0
Category 1	3000	2250
Category 1	30	0
Category 3	5	0
Category 3	60	60
Category 3	30	0
Category 3	60	60
Category 3	90	
Category 3	600	550
Category 3	90	

29250 Yes	Yes
15600 Yes	Yes
360 Yes	Yes
1220 Yes	Yes
6930 Yes	Yes
150 Yes	Yes
6120 Yes	Yes
165 Yes	Yes
20150 Yes	No
2400 Yes	No
3150 Yes	Yes
17875 Yes	Yes
2248 Yes	Yes
5560 Yes	Yes
500 Yes	Yes
0 No	No
1000 Yes	No
2250 Yes	No
4575 Yes	Yes
1800 Yes	Yes
805 Yes	Yes
525 Yes	No
220 Yes	Yes
0 No	No
600 Yes	No
30 Yes	No
1 Yes	Yes
9262 Yes	Yes
12750 Yes	Yes
45075 Yes	Yes
650 Yes	Yes
80 Yes	Yes
0 No	No
88 Yes	Yes
1650 Yes	Yes
18000 Yes	Yes
8550 Yes	Yes
2275 Yes	Yes
9000 Yes	Yes
200 Yes	Yes
525 Yes	Yes
0 No	No
1800 No	Yes
1 Yes	No
100 Yes	Yes
50 Yes	Yes
750 Yes	Yes
30 Yes	Yes
No	No
0 No	No
No	No
No	No
No	No
No	No
No	No

No  
No  
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No  
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No  
No  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
No  
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Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
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Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe

Happy Ln 1-20-10  
Rancho Vista Trailer Park 1-20-10  
100 Valetti Dr. 1-20-10  
4th st. East/ Spain St. 1-20-10  
Spring Valley Apts. 1-20-10  
4th St East/ East Spain St / 1-21-10  
174 Piper SV 2-24-2010  
18878 Railroad Ave 7/6/2010  
Madrone Rd. Siphon  
Meadowbrook Trailer Park  
4th St East/ East Spain St/1-28-10  
17324 Sonoma Hwy /1-29-10  
18715 Sonoma Hwy /112-29-10  
100 Valetti Dr /12-28-10  
598 Bokman 12-29-10  
Arkay & Solano Ave  
21694 Spude Rd Easement 1-6-11  
21774 Splude Rd 3-20-2011  
712 oman spring ct 3-21-11  
712 OMAN SPRINGS Ct 3-26-11  
712 Oman Springs Ct 3-24-11  
37 Meadowbrook 3-26-11  
18878 Railroad Ave  
285 napa rd  
692 Cherry Ave 12-10-11  
Meadowbrook-18881 sonoma hwy, sonoma\_ 1-20-2012  
300 Bettencourt Street  
17397 Valetti 11-30-12  
17324 Sonoma Hwy 12-2-12  
Sonoma Hwy 17324 11-30-12  
Valetti 17397 12-2-2012  
18764 Gillman Dr 12-13-12  
18775 Gilman Dr 12-16-12  
712 Oman Springs 12-23-12  
17450 Valetti Dr 12-23-12  
17324 Sonoma Hwy 12-23-12  
1520 Burbank Dr 12-23-12  
18881 Sonoma Hwy Meadowbrook 12-23-12  
18715 Sonoma Hwy 12-23-12  
781 Martin St 1-6-2013  
Moll Ct.  
440 Baines Avenue  
1300 Block SR-29 (Main St)  
1160 Main St  
Spring & Sylvaner Avenue  
59 Stratford Road Kensington  
2107 Kearney Street El Cerrito  
2560 Tassajara Street El Cerrito  
7202 A Street El Cerrito, CA  
1875 Carlson Blvd. Richmond, CA  
123 Ardmore Avenue  
5906 Jordan Avenue  
5355 Poinsett Avenue  
101 Colusa Avenue (Sunset Cemetery)  
900 Shevlin Drive

38.30705	-122.48273 Sonoma
38.32058	-122.48674 Sonoma
38.29186	-122.45804 Sonoma
38.29355	-122.45638 Sonoma
38.32142	-122.4907 Sonoma
38.29293	-122.44958 Sonoma
38.28596	-122.46157 Sonoma
38.30258	-122.48786 Sonoma
38.33993	-122.50767 Sonoma
38.30385	-122.47714 Sonoma
38.29293	-122.44958 Sonoma
38.32058	-122.48674 Sonoma
38.30597	-122.47778 Sonoma
38.29186	-122.45804 Sonoma
38.31533	-122.48836 Sonoma
38.29615	-122.48304 Sonoma
38.25994	-122.45328 Sonoma
38.25913	-122.45273 Sonoma
38.31425	-122.48679 Sonoma
38.31406	-122.48674 Sonoma
38.31406	-122.48674 Sonoma
38.30536	-122.47735 Sonoma
38.30258	-122.48786 Sonoma
38.27398	-122.45543 Sonoma
38.30855	-122.49272 Sonoma
38.30521	-122.47755 Sonoma
38.28756	-122.4643 Sonoma
38.32223	-122.4894 Sonoma
38.32028	-122.48765 Sonoma
38.32028	-122.48765 Sonoma
38.32223	-122.4894 Sonoma
38.30361	-122.49269 Sonoma
38.30361	-122.49269 Sonoma
38.31423	-122.48676 Sonoma
38.32232	-122.48849 Sonoma
38.32032	-122.48773 Sonoma
38.34418	-122.50974 Sonoma
38.30521	-122.47755 Sonoma
38.3059	-122.47767 Sonoma
38.3456	-122.51137 Sonoma
38.29221	-122.4511 Sonoma
38.313326	-122.477667 Sonoma
38.5046	122.469 Napa
38.5038	-122.46786 Napa
38.49624	-122.4741 Napa
37.903611	-122.282778 Contra Costa
37.928333	-122.319444 Contra Costa
37.935833	-122.310278 Contra Costa
37.899722	122.293611 Contra Costa
37.909444	122.312222 Contra Costa
37.904167	122.280833 Contra Costa
37.931944	122.314722 Contra Costa
37.933333	122.319444 Contra Costa
37.905833	122.285278 Contra Costa
37.916667	122.292222 Contra Costa

[illegible]

Pond area from runoff. Runoff is from cow pasture, fields and Nathenson creek, if creek goes over.  
Vineyard

sso coming from m172-5,172-6&173-1 and was contained in the ditch and gutter  
Out of Mh88-6 across driveway into dry channel  
Out of PVT Mh on pvt road  
MH150-5, Intersection of Bettencourt Street and 4th street west.

End of moll ct. coming out of property line clean out and going down gutter to Storm DI.  
440 Baines Avenue, Boyes Springs Area, Sonoma.

Side yard of house

In area of cemetery adjacent to EBMUD water plant





Manhole  
Manhole  
Manhole  
Manhole  
Manhole;Other (specify)  
Manhole  
Other (specify)  
Manhole  
Gravity sewer  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other (specify)  
Other (specify)  
Other (specify)  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole;Other (specify)  
Manhole;Other (specify)  
Other (specify)  
Manhole  
Manhole  
Manhole  
Other (specify)  
Manhole  
Other (specify)  
Gravity sewer  
Lateral Clean Out (Private)  
Manhole  
Other (specify)  
Manhole  
Manhole  
Manhole  
Other (specify)  
Other (specify)  
Manhole  
Other (specify)  
Manhole  
Manhole  
Manhole  
Building or structure

Pvt. manhole caused by our system being inundated

PVT CO on PVT Street

Private Manhole

No sign of spill when crew arrived. Crew Est overflow

Out of Mh, believed to have happened during heavy rain event on 12-29-10. Poned in low area

CO in street

CO in street

CO in street

Spill appeared out of private square manhole. Part of private system

Out of PVT Mh (with bolt down lid)

Manhole 150-5

Overflow appeared around newly installed light pole and upstream Mh

Overflow appeared around newly installed light pole and upstream Mh

Clean out

PVT Manhole

Property Line CO

Property line clean out

Cleanouts

Lateral

Clean out

Clean out

Rodding Inlet or Lamphole

Overflow from Manhole and two cleanouts

In bathroom of residence.

Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Surface water  
Storm drain;Street/curb and gutter;Other (specify below)  
Surface water  
Surface water  
Separate storm drain;Street/curb and gutter;Surface water  
Separate storm drain;Street/curb and gutter;Surface water  
Street/curb and gutter;Surface water  
Separate storm drain;Street/curb and gutter;Surface water  
Separate storm drain;Street/curb and gutter;Surface water  
Street/curb and gutter  
Surface water;Unpaved surface;Other (specify below)  
Surface water;Unpaved surface  
Separate storm drain;Street/curb and gutter;Surface water  
Street/curb and gutter;Surface water  
Separate storm drain;Street/curb and gutter;Surface water  
Street/curb and gutter;Surface water;Unpaved surface  
Separate storm drain;Street/curb and gutter;Other (specify below)  
Street/curb and gutter;Other (specify below)  
Other (specify below)  
Surface water  
Separate storm drain  
Separate storm drain;Surface water  
Separate storm drain;Surface water  
Separate storm drain;Surface water  
Separate storm drain;Surface water  
Separate storm drain;Street/curb and gutter;Surface water  
Unpaved surface;Other (specify below)  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water  
Street/curb and gutter;Surface water  
Separate storm drain;Street/curb and gutter;Surface water  
Unpaved surface  
Storm drain;Surface water  
Street/curb and gutter  
Separate storm drain  
Separate storm drain  
Separate storm drain  
Separate storm drain  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter;Other (specify below)  
Street/curb and gutter  
Unpaved surface  
Building or structure

Storm drain drained into Fryer Ck  
large culvert

No sign of spill when crew arrived. Crew Est overflow. Overflow may have been spread out by traffic  
Low pasture area (area ponds up) next to Nathanson Creek

Dry Channel  
ditch

In Channel (seasonal) that was dry and contained spill. 600 gal recovered. Rest of spill absorbed into ground.

Overflow contained within berm that was put in place

Nathanson Creek

Spill occurred at property line cleanout, made its way to a dirt v-ditch on the property that does not drain directly to surface

Yard - less than 5 gallons

Area washed down and overflow volume returned to sewer system

Yard

SSO was redirected from street surface into a downstream manhole.

Overflow onto ground.

Residence's bathroom

1/20/2010 9:30	1/20/2010 9:30	1/20/2010 9:30	1/20/2010 17:00
1/20/2010 0:00	1/20/2010 10:05	1/20/2010 10:05	1/20/2010 14:52
1/20/2010 9:32	1/20/2010 9:32	1/20/2010 9:32	1/20/2010 12:20
1/20/2010 9:50	1/20/2010 9:50	1/20/2010 9:50	1/20/2010 12:20
1/20/2010 9:54	1/20/2010 9:54	1/20/2010 9:54	1/20/2010 12:20
1/21/2010 0:00	1/21/2010 13:00	1/21/2010 13:15	1/21/2010 13:30
2/24/2010 0:00	2/24/2010 8:18	2/24/2010 9:00	2/24/2010 10:00
7/6/2010 0:00	7/6/2010 12:00	7/6/2010 13:10	7/6/2010 13:13
7/12/2010 0:00	7/12/2010 13:18	7/12/2010 13:45	7/12/2010 17:05
12/20/2010 20:45	12/20/2010 20:45	12/20/2010 20:55	12/20/2010 22:45
12/28/2010 20:23	12/28/2010 20:23	12/28/2010 21:45	12/29/2010 3:47
12/29/2010 0:40	12/29/2010 0:40	12/29/2010 0:40	12/29/2010 4:00
12/29/2010 0:30	12/29/2010 0:30	12/29/2010 0:30	12/29/2010 3:38
12/28/2010 22:52	12/29/2010 22:52	12/29/2010 22:52	12/29/2010 3:30
12/29/2010 4:00	12/29/2010 4:00	12/29/2010 4:00	12/29/2010 4:15
12/29/2010 23:30	12/29/2010 23:30	12/29/2010 23:40	12/29/2010 23:35
12/29/2010 9:00	1/6/2011 9:00	1/6/2011 9:00	12/29/2010 9:30
3/20/2011 10:00	3/20/2011 10:00	3/20/2011 10:15	3/20/2011 17:30
3/20/2011 2:00	3/20/2011 2:00	3/20/2011 2:00	3/20/2011 17:15
3/26/2011 8:45	3/26/2011 8:45	3/26/2011 8:45	3/26/2011 15:25
3/24/2011 13:30	3/24/2011 13:30	3/24/2011 12:00	3/24/2011 17:25
3/26/2011 13:30	3/26/2011 13:30	3/26/2011 13:30	3/26/2011 15:15
10/28/2011 18:10	10/28/2011 18:10	10/28/2011 19:50	10/28/2011 20:00
11/5/2011 12:15	11/5/2011 12:15	11/5/2011 13:30	11/5/2011 13:45
12/10/2011 14:55	12/10/2011 14:55	12/10/2011 16:15	12/10/2011 16:55
1/20/2012 23:20	1/20/2012 23:20	1/20/2012 23:20	1/20/2012 23:30
6/11/2012 12:20	6/11/2012 12:00	6/11/2012 12:20	6/11/2012 12:30
11/30/2012 6:45	11/30/2012 6:45	11/30/2012 6:45	11/30/2012 15:45
12/2/2012 9:00	12/2/2012 9:00	12/2/2012 9:00	12/2/2012 14:00
11/30/2012 7:00	11/30/2012 7:00	11/30/2012 7:00	11/30/2012 15:45
12/2/2012 9:00	12/2/2012 9:00	12/2/2012 9:00	12/2/2012 12:30
12/13/2012 15:55	12/13/2012 15:55	12/13/2012 16:00	12/13/2012 16:10
12/16/2012 13:17	12/16/2012 13:17	12/16/2012 15:15	12/16/2012 15:20
12/23/2012 12:16	12/23/2012 12:16	12/23/2012 12:16	12/23/2012 13:00
12/23/2012 7:56	12/23/2012 7:56	12/23/2012 8:56	12/23/2012 13:30
12/23/2012 12:30	12/23/2012 12:30	12/23/2012 12:30	12/23/2012 18:30
12/23/2012 11:45	12/23/2012 11:45	12/23/2012 11:45	12/23/2012 16:30
12/23/2012 9:29	12/23/2012 9:29	12/23/2012 10:30	12/23/2012 11:00
12/23/2012 12:30	12/23/2012 12:30	12/23/2012 12:30	12/23/2012 18:30
1/6/2013 13:00	1/6/2013 13:00	1/6/2013 14:30	1/6/2013 14:40
8/28/2013 9:25	8/28/2013 9:25	8/28/2013 11:00	8/28/2013 11:15
10/20/2013 10:20	10/20/2013 10:20	10/20/2013 12:20	10/20/2013 13:50
11/20/2007 7:50	11/20/2007 8:00	11/20/2007 8:00	11/20/2007 8:30
3/14/2012 10:00	3/14/2012 10:15	3/14/2012 10:20	3/14/2012 10:30
3/14/2011 8:30	3/14/2011 8:35	3/14/2011 8:45	3/14/2011 10:00
6/29/2007 19:00	6/29/2007 19:00	6/29/2007 19:20	6/29/2007 20:00
7/4/2007 11:00	7/4/2007 11:00	7/4/2007 11:10	7/4/2007 11:30
7/27/2007 14:45	7/27/2007 14:45	7/27/2007 15:00	7/27/2007 15:30
7/4/2007 9:30	7/4/2007 9:30	7/4/2007 10:00	7/4/2007 10:30
7/29/2007 14:00	7/29/2007 14:00	7/29/2007 14:10	7/29/2007 14:30
8/1/2007 15:30	8/1/2007 15:30	8/1/2007 15:40	8/1/2007 16:10
8/25/2007 10:45	8/25/2007 10:45	8/25/2007 11:00	8/25/2007 11:30
8/25/2007 13:55	8/25/2007 13:55	8/25/2007 14:10	8/25/2007 14:40
10/10/2007 10:15	10/10/2007 10:30	10/10/2007 10:40	10/10/2007 11:15
9/15/2007 12:00	9/15/2007 12:05	9/15/2007 12:30	9/15/2007 13:30

Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Rainfall exceeded design  
Flow exceeded capacity  
Grease deposition (FOG)  
Debri-Rags  
Pipe structural problem/failure  
Other (specify below)  
Rainfall exceeded design (Seperate CS Only)  
Rainfall exceeded design (Seperate CS Only)  
Rainfall exceeded design (Seperate CS Only)  
Rainfall exceeded design (Seperate CS Only)  
Rainfall exceeded design (Seperate CS Only)  
Other (specify below)  
Rainfall exceeded design (Seperate CS Only)  
Rainfall exceeded design (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Rainfall exceeded design (Separate CS Only)  
Other (specify below)  
Other (specify below)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Flow exceeded capacity (Separate CS Only)  
Debri-Rags  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Root intrusion  
Pipe structural problem/failure  
Root Intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Other (specify below)  
Debri-General  
Pipe structural problem/failure  
Debris  
Debris  
Root intrusion  
Other (specify below)  
Other (specify below)  
Root intrusion  
Debris

Winery discharged when line was charged overwhelming system. Once winery stopped discharging overflow stopped

Mains in area were charged to due storm event, Tidal boot (no back device) failed causing charge system to back into pvt

No overflow when crew arrived while checking system. Crew est overflow from debris in street

No sign of spill when crew arrived. Line was charged due to rain but still contained. Crew Est overflow. Overflow may hav

Spill was found when crew inspected line during complaint of PVT lateral. No overflow was occurring. Believed overflow o

A combination of flooding causing I&I and failure to truck line downstream of this Mh

Do to have rains and flooding causing I&I, system became charged

Due to heavy rains, flooding and I&I, system was overwhelmed

Heavy rains causing flooding and I&I overwhelming system

Grease and roots

System was charged to to flooding and I&I caused by storm.

Due to flooding and I&I system overwhelmed exceeded flow capacity

Due to flooding and I&I system overwhelmed exceeded flow capacity

Due to flooding and I&I system overwhelmed exceeded flow capacity

Due to flooding and I&I system overwhelmed exceeded flow capacity

Contractor hit main when new light pole was installed, Pipe full of gravel, also signs of grease, rags

Contractor hit main when new light pole was installed, Pipe full of gravel,

Sever storm causing flooding & I&I

Sever storm causing flooding & I&I

Sever storm causing flooding & I&I

Sever storm causing flooding & I&I

Sever storm causing flooding & I&I

Severe storm causing flooding & I&I

2 foot section of main sewer was eroded away, causing a blockage.

Rags found in line.

Material that caused stoppage was not recovered, flow drops into a 21 inch diameter line immediately downstream.

Material (sand & gravel) in line, apparently resulted from a break in main line upstream.

Debris and mud entered main line from property owner's lateral that is being replaced.

Debris in system from contractor working on lateral upstream

latex gloves and plastic material plugged the District main - it appears that a homeowner put their materials used in painti

District crews lost cleaning tool in response to earlier call same day on Jordan Avenue. This tool travelled a few blocks dc

Video inspection following day did not show any significant defects. Storm event of about one inch the previous day likely

Rag and a root hung up on a faulty drop in downstream manhole.

Other (specify below)

Main

Main

Main

Other (specify below)

Main

Other (specify below)

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Gravity Mainline

Lower Lateral

Main

Main

Main

Main

ng into the sewer, which caused the SSO.

wnstream, and caused this SSO.

dislodged some old roots and debris that collec



Tidal boot (no back device) installed in Mh

manhole overflowed

No sign of spill when crew arrived. Line was charged due to rain but still contained. Line may have burped due to I&I cause. Believed overflow occurred during storm event on 12-29-10. Starting & Ending time est. No overflow occurring when found

Due to flooding and I&I system was overwhelmed

In the main

Rags in main line, no failure of pipe itself.

Unknown material caused blockage in main line. Not a failure of the pipe itself.

ted just outside a downstream manhole.

sed by rain.  
. 1000 Gals of overflow stric

No

6 CIP  
6 VCP  
8 clay

6 VCP  
8 HDPE  
6 VCP  
6 VCP  
6 VCP  
6 VCP  
6 VCP  
6 VCP  
8 VCP  
6 HDPE

50  
600  
80

70  
1  
50  
55  
60  
75  
55  
55  
75  
5

ED 006495 00001080-07144

Debris was captured on grate on DI and recovered

repaired broken pipe and restored flow

Will monitor line. Repair will be made once system returns to normal

No overflow when crew arrived, crew checking system due to storm crew est overflow from debris in street. Area cleaned  
No sign of spill when crew arrived. Crew checked system, Line was charged due to rain but still contained. Crew Est over  
Pond posted with signs. Manhole sealed. No back installed in pvt lateral. This section of line to be rehab during summer c  
Made temp repair to truck line downstream of this MH. Premenate repair will follow weather permitting

Crew was on site operating pump ( est 20 yds away) when crew notice overflow coming out of CO on Oman Springs Ct

Shut valve to isolate PVT system. This stopped overflow. PVT system then suck out and monitored until valve could be r

Plan to follow up: video line and inspect due to gravel

Plan to follow up: video line and inspect due to gravel, Repair main if needed

Shut valve to isolate pvt system, once sewer system returned to normal re-open valve so PVT system could return to nor

Repaired pipe and restored flow

Wattled SD inlets to limit flow Turned off lift station to reduce flow Used street sweeper to collect flow Posted health wa

Was able to divert 75 % of the SSO volume to the downstream sewer system, into a manhole. Cleaned up area with 400l

Notified owner to have plumbing contractor complete job properly and be more careful to contain material from laterals in

Entire SSO was returned to system, as well as 500 gallons of dechlorinated flushing water.

Used bypass pumps while breaking stoppage. Contained overflow and returned majority of volume to sanitary sewer. Cle  
Follow up video inspection indicated the problem was the drop manhole below the home. It has already been repaired. H

1/20/2010 18:00  
1/20/2010 15:52  
1/20/2010 13:20  
1/20/2010 13:30  
1/20/2010 13:20  
1/21/2010 13:45  
2/24/2010 11:00  
7/6/2010 16:00  
7/12/2010 17:05  
12/20/2010 23:00  
12/29/2010 3:57  
12/29/2010 4:00  
12/29/2010 3:48  
12/29/2010 3:40  
12/29/2010 4:15  
  
1/10/2011 17:00  
3/20/2011 17:30  
3/20/2011 17:15  
3/26/2011 17:30  
3/24/2011 20:30  
3/26/2011 15:30  
10/28/2011 20:00  
  
12/10/2011 18:00  
1/20/2012 23:59  
6/11/2012 13:00  
11/30/2012 15:45  
12/2/2012 14:00  
11/30/2012 15:45  
12/2/2012 12:30  
12/13/2012 19:00  
  
12/23/2012 13:00  
12/23/2012 14:30  
12/23/2012 18:30  
12/23/2012 16:30  
12/23/2012 11:00  
12/23/2012 18:30  
1/6/2013 15:00  
8/28/2013 16:30  
  
11/20/2007 17:00  
3/14/2012 10:30  
3/14/2011 10:00  
6/29/2007 20:30  
7/4/2007 15:00  
7/27/2007 16:00

Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Adjusted schedule/method of preventive maintenance  
Adjusted schedule/method of preventive maintenance  
Repaired sewer  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Adjusted schedule/method of preventive maintenance  
Other (specify below)  
Other (specify below)

Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance  
Other (specify below)  
Adjusted schedule/method of preventive maintenance  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Repaired sewer

Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Added sewer to preventive maintenance program  
Repaired sewer

Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer  
Enforcement action against FOG source  
Added sewer to preventive maintenance program  
Adjusted schedule/method of preventive maintenance  
Other (specify below)  
Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer

Overflow caused by severe weather and flooding  
spill was caused by flooding & I&I  
Overflow due to flooding and I&I  
overflow caused by severe weather and flooding  
Due to I&I and flooding  
Overflow caused by flooding and I&I overwhelming system

Will monitor system, once system returns to normal will make repair (or replace) on Tidal boot (no back device).  
Due to severe I&I caused by heavy rains  
spill was caused by I&I & flooding

Overflow was due flooding caused heavy rain fall.  
Signs of overflow occurred sometime during night. Crew cleaned up debris in area

Manhole was sealed. No back installed in pvt lateral. This section of line to be rehab during summer of 2011. Both pond &  
Made temp repair to truck line downstream of this MH. Permanent repair will follow weather permitting  
Plan to install valve and isolate street and vac out manually  
Weather permitting, install valve to isolate street during flooding. Once shut down vac out Mhs manually  
Weather permitting, install valve to isolate street during flooding. Once shut down vac out Mhs manually  
Marked high water mark inside our Mh when pvt system is overwhelmed, Crew will monitor pvt system during heavy weather

Spill caused by system being overwhelmed by storm causing I&I and some flooding, causing system to back into PVT system

As an on going program to locate and repair I&I  
As an on going program to locate and repair I&I  
As an ongoing program to locate and repair I&I  
Ongoing program to locate and repair I&I

Overflow was caused by severe storm, which caused flooding and I&I  
Overflow was caused by severe storm, which caused flooding and I&I  
Overflow was caused by severe storm, which caused flooding and I&I  
Overflow was caused by severe storm, which caused flooding and I&I  
Overflow was caused by severe storm, which caused flooding and I&I  
Overflow was caused by severe storm, which caused flooding and I&I

Will video lines upstream of incident - stoppage occurred in a new line, and another line was replaced upstream a few weeks



No  
No  
No  
No  
No  
No  
No  
No  
No  
Yes  
No  
No  
No  
No  
No  
No  
No

No  
No  
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No

No  
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No  
No  
No  
Yes

No  
No  
No  
No  
No  
No  
No  
No

No  
No  
No  
No  
Yes  
No

Nathenson Creek up 5ft and moving at 15ft per sec  
Fryer Ck up 2ft from normal running at 5 ft per sec

Creek up 4ft from normal, flow rate at 5ft per sec

Pond area. Unknown if pond spilled into Nathenson creek after spill entered pond. Both creek and pond tested

Creek up 2 to 4 feet of normal traveling 3ft a sec

Seasonal Channel was dry and contained spill

Est. Creek was 5 to 6 ft above normal running at 10 fps

None

No apparent effects.

Yes  
Yes  
Yes  
Yes  
Yes  
No  
Yes  
No  
Yes  
Yes  
No  
No  
No  
No  
No  
No

Yes  
No  
No  
No  
No  
No  
No

No  
No  
No  
No  
No  
No  
No  
No

No  
No  
Yes  
No  
No  
No  
No  
Yes

Yes  
Yes  
Yes  
No  
No  
No

NA  
na  
na  
na  
na  
NA  
NA  
na  
n/a

NA

NA  
NA  
NA

Sonoma Creek  
Sonoma Creek  
Sonoma Creek  
Nathenson Cr.  
Sonoma Crk.  
Nathenson Ck  
Fryer Creek  
na  
Sonoma Creek  
Auga Caliente Creek  
Nathenson Ck  
Sonoma Creek  
Agua Caliente Creek  
Sonoma Creek  
Sonoma creek  
NA  
Name of pond unknown- If pond spilled into creek Nathenson Creek would have been effected.  
nathenson crk  
Sonoma creek  
Sonoma creek  
Sonoma Creek  
Agua caliante Crk  
Verano Creek  
n/a  
Winkle creek  
Agua Caliente creek  
Fryer Creek  
Sonoma Creek  
Sonoma Creek  
Sonoma Creek  
Sonoma creek  
Verano Crk  
NA  
Sonoma Creek  
Sonoma Creek  
Sonoma Creek  
Sonoma creek  
Auga Caliente creek  
Est creek to be 10 ft higher then normal flowing 10fps  
Sonoma Creek  
Nathanson Creek  
  
Sulphur Creek (potential) -- tributary to Napa River  
None  
Napa River  
Storm Drain, well upstream of creek, over 1000 feet.  
Storm drain, creek or Bay is several hundreds of feet downstream from this area.  
Storm drain, several hundred feet upstream of outlet into Baxter Creek.

Dissolved oxygen;Other (specify below)  
Dissolved oxygen;Other (specify below)  
Dissolved oxygen;Other (specify below)  
Dissolved oxygen;Other (specify below)  
Dissolved oxygen;Other (specify below)  
No water quality samples taken  
Dissolved oxygen;Other (specify below)  
Dissolved oxygen;Other (specify below)  
Dissolved oxygen  
Dissolved oxygen;Other (specify below)  
Dissolved oxygen;Other (specify below)  
No water quality samples taken  
No water quality samples taken  
Dissolved oxygen;Other (specify below)  
No water quality samples taken

Dissolved oxygen  
Dissolved oxygen  
Dissolved oxygen  
Dissolved oxygen  
Dissolved oxygen  
Dissolved oxygen  
Not applicable to this spill

Dissolved oxygen  
Dissolved oxygen  
Not applicable to this spill  
Dissolved oxygen;Other (specify below)  
Dissolved oxygen  
Dissolved oxygen;Other (specify below)  
Dissolved oxygen;Other (specify below)  
No water quality samples taken

No water quality samples taken  
Dissolved oxygen  
Dissolved oxygen  
Dissolved oxygen  
Dissolved oxygen  
Dissolved oxygen  
Dissolved oxygen  
No water quality samples taken

Biological indicator(s) - specify below  
Not applicable to this spill  
Not applicable to this spill  
No water quality samples taken;Not applicable to this spill  
No water quality samples taken;Not applicable to this spill  
No water quality samples taken;Not applicable to this spill

Ammonia, Fecal Coli  
Ammonia, Fecal Coli  
Ammonia, Fecal Coli  
Ammonia, Fecal Coli  
Ammonia, Fecal Coli

Ammonia, Fecal Coli  
ammonia, Fecal Coli  
ammonia, fecal coli  
Ammonia, Fecal Coli  
Ammonia, Fecal Coli

Ammonia, Fecal Coli

Ammonia, Fecal Coli  
Ammonia, fecal coli  
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Ammonia, Fecal Coli  
Ammonia, Fecal Coli

Presence/Absence E. Coliform

None of the above  
None of the above  
None of the above  
None of the above  
None of the above  
None of the above  
None of the above  
None of the above  
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None of the above  
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None of the above  
None of the above  
None of the above  
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None of the above  
Regional Water Quality Control Board

None of the above  
None of the above  
None of the above  
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None of the above  
None of the above  
None of the above

None of the above  
None of the above  
None of the above  
None of the above  
No water quality samples taken;Not applicable to this spill  
County Health Agency



E. Coli present in both upstream (background) and potentially affected samples. Will report to RB2 and Napa County Hea

Spill was estimated at 1-2 gallons per minute by an experienced maintenance worker who has had training on estimating alth.

100461	1/20/2010 10:50
100462	1/20/2010 10:50
100461	1/20/2010 10:50
100462	1/20/2010 10:50
100461	1/20/2010 10:50
100534	1/21/2010 13:40
101370	2/24/2010 10:03

104200	7/12/2010 14:19
107687	12/20/2010 20:27
107927	12/28/2010 22:13
107940	12/29/2010 1:27
107939	12/29/2010 1:27
107930	12/28/2010 23:15

107937	12/29/2010 0:23
110161	1/10/2011 8:00
111691	3/20/2011 10:25
111682	3/20/2011 0:00
111954	3/26/2011 9:00
111861	3/24/2011 13:57
111968	3/26/2011 14:35

117314	12/10/2011 20:09
120407	1/21/2012 0:10
123396	6/11/2012 13:20
127225	11/30/2012 7:00
127295	12/2/2012 9:10
127226	11/30/2012 7:10
127297	12/2/2012 9:15
127631	12/13/2012 19:56
127669	12/16/2012 16:34
127826	12/23/2012 13:47
127840	12/23/2012 13:47
177838	12/23/2012 13:47
127837	12/23/2012 13:47
127839	12/23/2012 13:47
127877	12/24/2012 11:20
130116	1/6/2013 14:50
35368	8/28/2013 11:25

77198	11/20/2007 11:00
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73997	7/4/2007 12:25
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Troy Winton, Lead Maintenance Worker

7079752946

2SSO10198	Active	705254 Douglas Humphrey	Certified
2SSO10198	Active	706475 Douglas Humphrey	Certified
2SSO10198	Active	706479 Douglas Humphrey	Certified
2SSO10198	Active	710657 Douglas Humphrey	Certified
2SSO10198	Active	710737 Douglas Humphrey	Certified
2SSO10198	Active	710739 Douglas Humphrey	Certified
2SSO10198	Active	710741 Douglas Humphrey	Certified
2SSO10198	Active	710743 Douglas Humphrey	Certified
2SSO10198	Active	710745 Douglas Humphrey	Certified
2SSO10198	Active	713195 Douglas Humphrey	Certified
2SSO10198	Active	715433 Douglas Humphrey	Certified
2SSO10198	Active	716508 Douglas Humphrey	Certified
2SSO10198	Active	717194 Douglas Humphrey	Certified
2SSO10198	Active	717195 Douglas Humphrey	Certified
2SSO10198	Active	717738 Douglas Humphrey	Certified
2SSO10198	Active	717747 Douglas Humphrey	Certified
2SSO10198	Active	722772 Douglas Humphrey	Certified
2SSO10198	Active	722775 Douglas Humphrey	Certified
2SSO10198	Active	722778 Douglas Humphrey	Certified
2SSO10198	Active	722779 Douglas Humphrey	Certified
2SSO10198	Active	728154 Douglas Humphrey	Certified
2SSO10198	Active	732919 Douglas Humphrey	Certified
2SSO10198	Active	735741 Douglas Humphrey	Certified
2SSO10198	Active	735742 Douglas Humphrey	Certified
2SSO10198	Active	736980 Douglas Humphrey	Certified
2SSO10198	Active	736981 Douglas Humphrey	Certified
2SSO10198	Active	738524 Douglas Humphrey	Certified
2SSO10198	Active	740621 Douglas Humphrey	Certified
2SSO10198	Active	744839 Douglas Humphrey	Certified
2SSO10198	Active	745018 Douglas Humphrey	Certified
2SSO10198	Active	745670 Douglas Humphrey	Certified
2SSO10198	Active	747511 Douglas Humphrey	Certified
2SSO10198	Active	748938 Douglas Humphrey	Certified
2SSO10198	Active	749607 Douglas Humphrey	Certified
2SSO10198	Active	751128 Douglas Humphrey	Certified
2SSO10198	Active	751136 Douglas Humphrey	Certified
2SSO10198	Active	752714 Douglas Humphrey	Certified
2SSO10198	Active	755681 Douglas Humphrey	Certified
2SSO10198	Active	757247 Douglas Humphrey	Certified
2SSO10198	Active	758913 Douglas Humphrey	Certified
2SSO10198	Active	758916 Douglas Humphrey	Certified
2SSO10198	Active	759331 Douglas Humphrey	Certified
2SSO10198	Active	759810 Douglas Humphrey	Certified
2SSO10198	Active	759812 Douglas Humphrey	Certified
2SSO10198	Active	760171 Douglas Humphrey	Certified
2SSO10198	Active	764967 Douglas Humphrey	Certified
2SSO10198	Active	765967 Douglas Humphrey	Certified
2SSO10198	Active	765968 Douglas Humphrey	Certified
2SSO10198	Active	767766 REX DELIZO	Certified
2SSO10198	Active	767767 REX DELIZO	Certified
2SSO10198	Active	769776 Rex Delizo	Certified
2SSO10198	Active	770222 Rex Delizo	Certified
2SSO10198	Active	770374 Rex Delizo	Certified
2SSO10198	Active	771150 Rex Delizo	Certified
2SSO10198	Active	771639 Rex Delizo	Certified

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El Cerrito, CA	907041
El Cerrito, CA	258455
El Cerrito, CA	509718
El Cerrito, CA	380739
El Cerrito, CA	751498
El Cerrito, CA	904636
El Cerrito, CA	563786
El Cerrito, CA	723600
El	957986
El Cerrito, California	231062
El Cerrito, CA	108347
El Cerrito, CA	596347
El Cerrito, CA	564079
El Cerrito, CA	603514
El Cerrito, CA	819837
El Cerrito, CA	286947
El Cerrito, CA	461094
El Cerrito, CA	705034
El Cerrito, CA	591514
El Cerrito, CA	188868
El Cerrito, CA	515314
El Cerrito, CA	552990
El Cerrito, CA	226830
El Cerrito, CA	225327
El Cerrito, CA	457892
El Cerrito, CA	140572
El Cerrito, CA	444682
El Cerrito, CA	449575
El Cerrito, CA	925783
El Cerrito, CA	311388
El Cerrito, CA	960170
El Cerrito, CA	421192
El Cerito, CA	718355
El Cerrito, CA	736219
El Cerrito, CA	926615
El Cerrito, CA	278226
El Cerrito, CA	219641
El Cerrito, CA	151987
El Cerrito, CA	480396
El Cerrito, CA	840182
El Cerrito, CA	291258
El Cerrito, CA	116842
El Cerrito, CA	422073
El Cerrito, CA	961352
El Cerrito, CA	707214
El Cerrito, CA	274209
El Cerrito, CA	357958
El Cerrito, CA	110644
STEGE SANITARY DISTRICT OFFICE	186546
STEGE SANITARY DISTRICT OFFICE	574787
Stege Sanitary District Office	168140
Stege Sanitary District Office	515035
Stege Sanitary District	713536
District Office	931711
District Office	677467

15-Oct-07		15-Oct-07	12/22/2010
24-Oct-07		24-Oct-07	10/24/2007
24-Oct-07		7-Jan-08	12/22/2010
3-Jan-08		7-Jan-08	1/7/2008
7-Jan-08		16-Jan-08	12/23/2010
7-Jan-08		16-Jan-08	12/2/2010
7-Jan-08		16-Jan-08	12/23/2010
7-Jan-08		16-Jan-08	12/23/2010
7-Jan-08		16-Jan-08	12/23/2010
20-Feb-08		25-Feb-08	2/25/2008
26-Mar-08		7-Apr-08	5/9/2008
24-Apr-08		9-May-08	5/9/2008
9-May-08		9-May-08	5/9/2008
9-May-08		9-May-08	5/9/2008
21-May-08		21-May-08	12/22/2010
21-May-08		13-Jun-08	6/13/2008
17-Jul-08		17-Jul-08	12/2/2010
17-Jul-08		17-Jul-08	12/2/2010
17-Jul-08		17-Jul-08	7/17/2008
17-Jul-08		17-Jul-08	7/17/2008
21-Oct-08		21-Oct-08	12/2/2010
2-Feb-09		3-Feb-09	12/2/2010
31-Mar-09		30-Apr-09	4/30/2009
31-Mar-09		30-Apr-09	4/30/2009
30-Apr-09		30-Apr-09	4/30/2009
30-Apr-09		13-May-09	5/13/2009
4-Jun-09		2-Jul-09	7/2/2009
2-Jul-09		2-Jul-09	10/15/2009
18-Sep-09		25-Sep-09	12/2/2010
25-Sep-09		15-Oct-09	10/15/2009
15-Oct-09		15-Oct-09	10/15/2009
15-Dec-09		15-Dec-09	12/15/2009
29-Jan-10		29-Jan-10	1/29/2010
22-Feb-10		2-Mar-10	3/2/2010
30-Mar-10		30-Mar-10	3/30/2010
30-Mar-10		30-Mar-10	3/30/2010
26-May-10	5/26/2010	16-Jun-10	6/16/2010
2-Aug-10	8/2/2010	2-Aug-10	8/2/2010
29-Sep-10	9/29/2010	29-Sep-10	9/29/2010
29-Nov-10	11/29/2010	29-Nov-10	11/29/2010
29-Nov-10	11/29/2010	29-Nov-10	11/29/2010
13-Dec-10	12/13/2010	13-Dec-10	12/13/2010
23-Dec-10	12/23/2010	23-Dec-10	12/23/2010
23-Dec-10	12/23/2010	23-Dec-10	12/23/2010
4-Jan-11	1/4/2011	31-Jan-11	1/31/2011
30-Mar-11	3/30/2011	30-Mar-11	3/30/2011
29-Apr-11	4/29/2011	29-Apr-11	4/29/2011
29-Apr-11	4/29/2011	29-Apr-11	4/29/2011
23-Jun-11	6/23/2011	13-Jul-11	7/13/2011
23-Jun-11	6/23/2011	13-Jul-11	7/13/2011
15-Aug-11	8/15/2011	22-Aug-11	8/22/2011
22-Aug-11	8/22/2011	22-Aug-11	8/22/2011
25-Aug-11	8/25/2011	25-Aug-11	8/25/2011
19-Sep-11	9/19/2011	28-Sep-11	9/28/2011
3-Oct-11	10/3/2011	4-Oct-11	10/4/2011



Category 1	400	240
Category 3	40	0
Category 1	10	0
Category 3	30	20
Category 1	1000	0
Category 1	850	0
Category 1	500	0
Category 1	2600	0
Category 1	10000	0
Category 3	30	0
Category 3	50	0
Category 1	10	0
Category 3	15	0
Category 3	5	0
Category 1	150	0
Category 3	60	0
Category 1	280	100
Category 3	175	0
Category 3	60	0
Category 3	250	250
Category 3	60	0
Category 3	75	0
Category 3	200	0
Category 3	60	60
Category 3	50	0
Category 3	15	10
Category 3	900	0
Category 3	10	2
Category 1	150	0
Category 3	100	80
Category 3	20	10
Category 3	10	0
Category 3	30	0
Category 3	700	0
Category 3	25	25
Category 3	10	10
Category 3	20	0
Category 3	1	0
Category 3	10	0
Category 3	5	0
Category 3	10	0
Category 1	100	50
Category 3	20	0
Category 3	10	5
Category 1	2070	0
Category 3	20	0
Category 3	100	15
Category 3	15	0
Category 3	5	0
Category 3	25	0
Category 3	20	0
Category 3	50	0
Category 3	100	0
Category 3	5	0
Category 3	2	0

160 Yes	Yes
No	No
10 Yes	Yes
No	No
1000 Yes	Yes
850 Yes	Yes
500 Yes	Yes
2600 Yes	Yes
10000 Yes	Yes
No	No
0 No	No
10 Yes	No
0 No	No
0 No	No
150 Yes	Yes
0 No	No
180 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
150 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
50 Yes	Yes
0 No	No
0 No	No
2070 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No

[illegible]

70 Rincon Road Kensington, Ca  
8422 Buckingham Drive El Cerrito  
37 Avon Drive Kensington  
915 Shevlin Drive  
5105 MacDonald Avenue  
4 Pomona Avenue  
5355 Poinsett Avenue  
8250 Terrace Drive  
190 Stanford  
8555 Terrace Drive El Cerrito, CA 94530  
978 Arlington Ave. El Cerrito, CA  
325 Rugby Ave, Kensington, CA  
2317 Alva Avenue El Cerrito, CA  
6927 Wilson Way El Cerrito, CA  
2309 San Joaquin Ave. Richmond, CA  
10675 San Pablo Ave. Richmond, CA  
1400 Carlson Blvd. Richmond, CA  
61 Edgecroft Dr. Kensington, CA  
1530 Regency Ct. El Cerrito, CA  
27 Sunset Dr. Kensington, CA  
54 Stratford Ave. Kensington, CA  
6332 Barrett Ave. El Cerrito CA Stege Sanitary District  
6770 Glen Mawr Ave. El Cerrito  
439 Coventry Road Kensington  
1132 Contra Costa Drive El Cerrito, CA  
1265 Contra Costa Drive El Cerrito, CA  
170 Arlington Ave. Kensington, CA  
5717 Santa Cruz Richmond, CA  
1724 Arlington Blvd.  
2649 Carquinez  
9 Franciscan Drive Kensington, CA  
900 Shevlin Drive El Cerrito, CA  
10812 San Pablo Avenue El Cerrito  
241 (& 229) Ramona Avenue El Cerrito  
1811 Shasta Street Richmond  
878 Bates Avenue El Cerrito  
944 Avis Drive  
10753 San Pablo Avenue  
876 Balra Drive El Cerrito, CA  
426 Kearney St. El Cerrito, CA  
14 Highgate Rd. Kensington, CA  
32 Sunset, Kensington, CA  
6060 Central Ave. El Cerrito  
2645 Carquinez, El Cerrito  
8379 Terrace Dr. El Cerrito, CA  
159 Arlington Ave. Kensington, CA  
901 Sea View Drive El Cerrito, CA  
1735 Elm St. El Cerrito, CA  
283 Los Altos  
3005 San Luis St.  
6645 Gatto Ave.  
15 Franciscan Way  
6101 Santa Cruz Ave.  
215 Yale Avenue  
616 Plateau Drive, Kensington, CA

37.913889	-122.282778 Contra Costa
37.923056	122.296389 Contra Costa
37.905	-122.284167 Contra Costa
37.916944	122.292581 Contra Costa
37.931875	-122.321658 Contra Costa
37.9315	-122.2896 Contra Costa
37.933536	-122.319022 Contra Costa
37.917047	-122.2896 Contra Costa
37.908617	-122.278011 Contra Costa
37.919444	122.287778 Contra Costa
37.921539	122.288472 Contra Costa
37.904444	122.274722 Contra Costa
37.933028	122.311494 Contra Costa
37.929117	122.310436 Contra Costa
37.905281	-122.314275 Contra Costa
37.911875	122.309164 Contra Costa
37.912778	-122.32 Contra Costa
37.90138	-122.27871 Contra Costa
37.924722	122.298889 Contra Costa
37.908969	122.281667 Contra Costa
37.905	-122.282669 Contra Costa
37.936458	-122.310556 Contra Costa
37.926192	-122.311903 Contra Costa
37.901281	-122.283333 Contra Costa
37.921703	-122.2938 Contra Costa
37.922872	-122.296664 Contra Costa
37.907719	-122.280772 Contra Costa
37.907475	-122.311075 Contra Costa
37.9295	-122.305611 Contra Costa
37.938283	-122.312419 Contra Costa
37.914178	-122.287419 Contra Costa
37.916556	-122.292356 Contra Costa
37.914167	-122.309444 Contra Costa
37.901944	-122.291667 Contra Costa
37.91026	-122.31127 Contra Costa
37.91846	-122.28811 Contra Costa
37.9138	-122.29861 Contra Costa
37.91293	-122.31014 Contra Costa
37.91402	-122.29715 Contra Costa
37.9018	-122.30199 Contra Costa
37.91351	-122.28659 Contra Costa
37.90852	-122.28146 Contra Costa
37.90195	-122.30339 Contra Costa
37.93798	-122.31249 Contra Costa
37.91868	-122.28899 Contra Costa
37.90852	-122.28028 Contra Costa
37.91555	-122.29457 Contra Costa
37.92415	-122.31311 Contra Costa
37.90792	-122.26882 Contra Costa
37.9013	-122.31032 Contra Costa
37.93082	-122.31731 Contra Costa
37.91378	-122.28718 Contra Costa
37.90861	-122.30877 Contra Costa
37.90716	-122.27737 Contra Costa
37.90617	-122.26819 Contra Costa

[illegible]

Cleanout

Spill occurred in a densely forested area and was not immediately evident

SSO came out of manhole & entered storm drain close by. No chance to capture and return to system.

Cleanout inside a business.

Event was at 8379 Terrace. There was a related overflow into a home located at 8183 Terrace and another overflow at 82

cleanout  
Manhole  
Manhole in Backyard  
Manhole  
Manhole

231 Terrace.



Manhole  
Building or structure  
Manhole  
Building or structure  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other (specify)  
Building or structure  
Gravity sewer  
Other sewer system structure  
Building or structure  
Manhole  
Other (specify)  
Manhole  
Manhole  
Manhole  
Building or structure  
Other (specify)  
Manhole  
Building or structure  
Building or structure  
Building or structure  
Manhole  
Building or structure  
Gravity sewer  
Other (specify)  
Manhole  
Building or structure  
Other (specify)  
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Building or structure  
Building or structure  
Building or structure  
Manhole  
Building or structure  
Other (specify)  
Manhole  
Manhole  
Other sewer system structure  
Other (specify)  
Building or structure;Other (specify)  
Manhole  
Manhole  
Building or structure;Other (specify)  
Other (specify)  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole

EBMUD test hole

Cleanout  
Rodding Inlet or Lamphole  
garage area

Cleanout

Cleanout

Overflow around seal of toilet, and about 5 gallons into the backyard.  
Spill came from a line that was separated when a large tree fell, and the tree roots sheared the Stege main line when the  
Cleanout in yard area

Cleanout by home

SSO entered residence.

SSO appeared from EBMUD trench related to a water line repair.

Cleanout  
Cleanout  
Some overflow volume entered building, some out of cleanout.

A small amount, about 5 gallons, also overflowed from cleanout at 903 Seaview at same time of backup into 901 Seaview  
Backflow Prevention Device on lateral  
cleanout

Manhole in Backyard

Mainline Break

Separate storm drain  
Building or structure  
Separate storm drain  
Building or structure  
Separate storm drain  
Separate storm drain  
Separate storm drain  
Separate storm drain  
Separate storm drain  
Street/curb and gutter  
Building or structure;Other paved surface  
Surface water  
Other (specify below)  
Building or structure;Other paved surface  
Separate storm drain  
Street/curb and gutter  
Separate storm drain  
Unpaved surface  
Unpaved surface  
Building or structure  
Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Building or structure  
Building or structure  
Unpaved surface  
Building or structure;Other (specify below)  
Unpaved surface;Other (specify below)  
Unpaved surface  
Separate storm drain  
Building or structure  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Building or structure  
Building or structure  
Building or structure  
Unpaved surface  
Building or structure  
Other paved surface  
Street/curb and gutter  
Unpaved surface  
Separate storm drain;Street/curb and gutter  
Other paved surface  
Building or structure;Unpaved surface  
Separate storm drain  
Unpaved surface  
Building or structure  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface;Separate storm drain;Street/curb and gutter  
Unpaved surface  
Unpaved surface

Garage and drive area  
Creek  
Yard  
garage area

Destination was lower level rental unit

Yard  
About 5 gallons flowed to back yard.  
Sewage that spilled ended up on the ground and did not reach waterways. This area has very dense vegetation.  
property owner's yard

Overflow contained in a planter box.  
A small amount of sewage on top of and adjacent to manhole.

Overflowed sewage entered into the garage area at 229 Ramona and the bathrom at 241 Ramona Avenue.

about 1 gallon spilled into a business.

Contained about 1/2 of overflow and returned to system  
Overflow on sidewalk and paved area by street

yard  
yard  
Backyard Area  
Yard

Yard/Sidewalk  
Yard

10/12/2007 14:55	10/12/2007 14:55	10/12/2007 15:00	10/12/2007 15:10
10/21/2007 18:30	10/21/2007 18:30	10/21/2007 19:10	10/21/2007 19:30
10/23/2007 21:30	10/23/2007 21:30	10/23/2007 22:00	10/23/2007 22:10
12/24/2007 16:30	12/24/2007 16:30	12/24/2007 17:10	12/24/2007 18:30
1/4/2008 9:30	1/4/2008 9:30	1/4/2008 9:40	1/4/2008 11:20
1/4/2008 10:20	1/4/2008 10:20	1/4/2008 10:30	1/4/2008 11:45
1/4/2008 9:30	1/4/2008 9:30	1/4/2008 9:45	1/4/2008 11:20
1/4/2008 10:40	1/4/2008 10:40	1/4/2008 10:50	1/4/2008 14:20
1/4/2008 8:00	1/4/2008 8:15	1/4/2008 8:20	1/4/2008 12:00
1/29/2008 11:00	1/29/2008 11:00	1/29/2008 11:15	1/29/2008 11:30
2/23/2008 9:30	2/23/2008 9:30	2/23/2008 10:15	2/23/2008 10:30
4/24/2008 10:45	4/24/2008 10:45	4/24/2008 11:00	4/24/2008 11:15
5/5/2008 7:45	5/5/2008 7:45	5/5/2008 8:00	5/5/2008 9:45
4/25/2008 17:45	4/25/2008 17:45	4/25/2008 18:15	4/25/2008 18:30
5/18/2008 10:30	5/18/2008 10:30	5/18/2008 10:55	5/18/2008 11:05
4/29/2008 15:30	4/29/2008 15:30	4/29/2008 15:40	4/29/2008 16:00
7/13/2008 10:14	7/13/2008 10:14	7/13/2008 11:00	7/13/2008 11:10
6/8/2008 20:30	6/8/2008 20:30	6/8/2008 20:50	6/8/2008 21:15
6/23/2008 8:00	6/23/2008 8:00	6/23/2008 8:10	6/23/2008 8:30
7/14/2008 16:45	7/14/2008 21:25	7/14/2008 21:45	7/14/2008 22:05
10/9/2008 9:25	10/9/2008 9:25	10/9/2008 9:30	10/9/2008 9:45
1/31/2009 10:30	1/31/2009 10:30	1/31/2009 10:45	1/31/2009 11:00
2/22/2009 13:20	2/22/2009 13:20	2/22/2009 13:35	2/22/2009 13:50
2/16/2009 8:45	2/16/2009 9:15	2/16/2009 9:15	2/16/2009 9:30
3/14/2009 17:30	3/14/2009 18:00	3/14/2009 18:45	3/14/2009 19:15
4/23/2009 10:50	4/23/2009 11:00	4/23/2009 11:10	4/23/2009 11:20
5/23/2009 14:00	6/2/2009 14:00	6/2/2009 14:40	6/2/2009 15:00
6/1/2009 15:50	6/1/2009 16:00	6/1/2009 16:05	6/1/2009 16:15
9/17/2009 8:00	9/17/2009 9:00	9/17/2009 9:10	9/17/2009 9:15
8/24/2009 8:00	8/24/2009 8:30	8/24/2009 8:40	8/24/2009 9:00
9/27/2009 11:00	9/27/2009 12:00	9/27/2009 12:20	9/27/2009 12:25
11/14/2009 21:00	11/14/2009 21:30	11/14/2009 22:00	11/14/2009 22:15
12/9/2009 20:45	12/9/2009 21:15	12/9/2009 21:45	12/9/2009 22:00
1/20/2010 10:00	1/20/2010 10:30	1/20/2010 10:45	1/20/2010 11:30
3/3/2010 10:10	3/3/2010 10:40	3/3/2010 10:48	3/3/2010 11:10
3/8/2010 14:15	3/8/2010 14:45	3/8/2010 14:55	3/8/2010 15:00
4/13/2010 19:00	4/13/2010 19:00	4/13/2010 19:30	4/13/2010 19:50
6/6/2010 13:00	6/6/2010 13:26	6/6/2010 13:55	6/6/2010 13:55
8/15/2010 17:45	8/15/2010 18:00	8/15/2010 18:10	8/15/2010 18:20
10/18/2010 10:00	10/18/2010 10:00	10/18/2010 10:05	10/18/2010 10:10
10/27/2010 8:00	10/27/2010 8:00	10/27/2010 8:05	10/27/2010 8:30
12/8/2010 11:10	12/8/2010 11:10	12/8/2010 11:30	12/8/2010 11:45
11/1/2010 9:30	11/1/2010 9:30	11/1/2010 9:35	11/1/2010 9:40
11/15/2010 14:00	11/15/2010 14:00	11/15/2010 14:05	11/15/2010 14:30
1/2/2011 11:15	1/2/2011 11:15	1/2/2011 11:30	1/2/2011 11:45
2/25/2011 6:00	2/25/2011 6:00	2/25/2011 6:15	2/25/2011 6:30
3/13/2011 16:05	3/13/2011 16:05	3/13/2011 16:30	3/13/2011 17:00
3/15/2011 21:45	3/15/2011 21:45	3/15/2011 22:45	3/15/2011 23:00
6/13/2011 15:20	6/13/2011 15:20	6/13/2011 15:30	6/13/2011 15:40
6/16/2011 14:00	6/16/2011 14:00	6/16/2011 14:00	6/16/2011 14:45
7/25/2011 13:30	7/25/2011 13:30	7/25/2011 13:40	7/25/2011 16:45
7/6/2011 10:00	7/6/2011 10:00	7/6/2011 10:05	7/6/2011 10:30
8/25/2011 12:15	8/25/2011 12:15	8/25/2011 12:20	8/25/2011 13:15
9/16/2011 18:30	9/16/2011 18:30	9/16/2011 18:45	9/16/2011 19:00
10/1/2011 14:19	10/1/2011 14:19	10/1/2011 14:50	10/1/2011 15:05

Root intrusion  
Other (specify below)  
Debris-General  
Root intrusion  
Rainfall exceeded design (Seperate CS Only)  
Root intrusion  
Rainfall exceeded design (Seperate CS Only)  
Flow exceeded capacity (Seperate CS Only)  
Flow exceeded capacity (Seperate CS Only)  
Debris  
Other (specify below)  
Grease deposition (FOG)  
Debris  
Other (specify below)  
Root intrusion  
Root intrusion  
Other (specify below)  
Grease deposition (FOG)  
Other (specify below)  
Other (specify below)  
Root intrusion  
Other (specify below)  
Root intrusion  
Debris-General  
Root intrusion  
Grease deposition (FOG)  
Other (specify below)  
Root intrusion  
Other (specify below)  
Root intrusion  
Root intrusion  
Root intrusion  
Debris-General  
Other (specify below)  
Root intrusion  
Root intrusion  
Other (specify below)  
Debris-Rags  
Other (specify below)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Other (specify below)  
Debris-Rags  
Other (specify below)  
Root intrusion  
Pipe structural problem/failure  
Root intrusion  
Debris-General  
Debris-General  
Debris-Rags  
Root intrusion  
Debris-General  
Pipe structural problem/failure  
Debris-Rags

Rocks and gravel from an upstream lateral caused blockage in District line. District line was replaced about 5 years ago, &  
Rags at mouth of the manhole blocked part of the flow.

Combination of roots and debris appeared to cause blockage and overflow

Minor obstruction of roots coupled with excessive flow caused overflow. Overflow occurred during storm event that exceeded design storm; 1.86 inches of rain in about 6 hours, 2.4 inches in 12 hours.  
Debris that was cleared from line contributed to the cause of the SSO - there would have likely been SSO, but for about 3 days.  
Flow exceeded design capacity. Overflow occurred during storm event that exceeded design storm; 1.86 inches of rain in about 6 hours, 2.4 inches in 12 hours.  
Appears to be a sag in the line, debris built up in sag causing blockage.

The cause was determined to be roots that had grown into the main line from an old abandoned lateral that was not properly sealed.  
Caused by Grease and Debris

Homeowner had flushed a significant amount of kitty litter and cat waste down sewer and material blocked the District main.  
Roots from Lateral pushed into line by plumber

City tree is directly over Stege line

Rags, hand towels in line

Rags and some grease blocked flow, causing an SSO.

The problem was caused by roots that were pushed into the Stege main from a lateral upstream. Stege crews retrieved roots.

Four inch diameter root plug, obviously from a cleared lateral, was retrieved and determined to be the cause of the blockage.

Roots from a lateral, a 4 inch diameter root plug was found in and blocking a manhole

Large tree fell over and its roots sheared the sewer line. Field crews and Supervisor estimate that overflow occurred for about 24 hours.

Roots from a lateral lodged in the District main line.

Roots at an offset in the line

Roots appeared after blockage cleared - must be from an upstream line, this segment is newer HDPE pipe that is in excellent condition.

Rags and Papers caused blockage at entrance to manhole

The Stege main line was flowing fully, due to an overflowed creek in an area upstream of the SSO. The creek was flowing over its banks.  
Found large amount of baby wipes at location of root intrusion, causing stoppage in main line.

Rags and plastics hung up on roots intruding into the main line, causing the stoppage.

Crews discovered, the day after the SSO, that roots from the lateral at 938 Avis Drive had grown into the District main at the manhole.  
It's hard to tell or not if the baby wipes that were removed caused the overflow, or if there really was an overflow. We did not know.  
EBMUD was repairing their water line in the area. It was discovered that they had hit the Stege sewer line during the repair.  
Combination of grease and roots caused overflow.

Large amount of grease at manhole entrance from lateral.

Root plug from lateral caused blockage and overflow. Homeowner had a private plumber clear their line earlier in the evening.  
City contractor drilled through Stege main line, broke main line and caused blockage of main.

Rags, hung up on roots in main line.

An EBMUD water line failed the previous week but was not repaired, and it subsequently washed out sections of the Stege main line.  
Roots that are likely from an upstream source, perhaps a lateral.

Determined that a break in the main line occurred.

Rags and grease hung up on roots.

House connected to abandoned sewer main line. Blockage due to rags (disposable wipes) in main line. Sewer has been replaced.  
Blockage caused by roots from a lateral. Mainline was replaced in 1999 and is HDPE.

Stoppage caused by asphalt from City paving project and rags (wipes)

Mainline Break

Baby Wipes in line caused stoppage

Main  
and video inspection showed it to be in perfect c  
Other (specify below)

Main  
Other (specify below)  
Main  
Main  
Main

ly abandoned.

in line.

Main

Main  
Main

Main  
Main

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Other (specify below)

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Other (specify below)  
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Main



Roots caused stoppage in main line, not a failure of the pipe.

Condition.

Rags at mouth of the manhole blocked part of the flow.(see #35 above)

Not a failure of the pipe, but a hydraulic overload.

Manhole and downstream main line

Hydraulic overload, not a pipe failure .

Not a pipe failure, but a blockage/hydraulic issue caused overflow.

Pipe didn't fail , but can not handle the hydraulic loading from the storm that occurred

Roots plugged main line, not really a failure of the pipe.

Root plug from lateral lodged at manhole entrance

Root plug clearly from a lateral caused this overflow - root plug was 4 inch diameter and about 1-2 feet long

cleanout at 229 Ramona and low drain in the home at 241 Ramona.

Not really a failure but a blockage in the main line.

main line at manhole, looks like some residence discharged a large amount of grease (from deep fat fryer?) . Not a failure

Blockage in main line, not a failure of the line.

Not a failure of the pipe that can be determined. Blockage occurred in the main line.

Not a failure , but root intrusion in the main line.

Blockage due to rags (disposable wipes) in main line.

Blockage caused by roots from a lateral.

6 VCP  
6 HDPE  
6 HDPE  
6 VCP  
12 VCP  
8 VCP  
8 VCP  
6 VCP  
8 VCP  
6 VCP  
6 VDP  
6 vcp

6 VCP

6 VCP  
6 VCP  
6 HDPE  
6 HDPE  
6 HDPE

6 VCP

6 VCP  
6 VCP  
6 VCP  
6 VCP  
6 VCP  
6 VCP  
5 HDPE  
6 VCP  
6 VCP  
6 VCP  
6 VCP  
6 VCP

6 VCP  
6 VCP  
6 VCP  
6 VCP

6 VCP

6 VCP  
8 Ductile Iron  
6 VCP  
6 VCP  
6

6 HDPE  
8 VCP  
6 VCP  
6 VCP

e but a blockage due to gre

75  
5  
2  
58  
60  
55  
60  
50  
75  
60  
55  
50  
  
55  
  
60  
55  
3  
4  
4  
  
57  
  
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70  
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10  
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60  
60  
60  
  
60  
60  
60  
75  
  
70  
  
65  
75  
60  
65  
  
12



Returned about 240 gallons, or 60%, of overflow volume to system at downstream manhole.  
Had contracted restoration firm clean home.

Overflow occurred during storm event that exceeded design storm; 1.86 inches of rain in about 6 hours, 2.4 inches in 12 hours.  
Cleared and inspected downstream main line - all clear afterwards.  
Significant storm flows in street and storm drainage system prevented capture of SSO and return to system.  
Unable to contain SSO and return to system due to significant storm flows in street and storm drain system.  
Unable to contain SSO and return to system due to significant amount of storm flow in street and storm drainage system.  
Videoed line to determine cause of blockage and SSO.  
Contracted restoration firm cleaned the site, garage area and drive, and removed some damaged personal belongings.  
  
Spoke to homeowner about disposing properly of kitty litter. Owner has dozens of cats in their home.

Followed up with a letter to all property owners upstream of blockage, informing them that they should not flush hand towels.  
Had restoration company clean building.

Cleaned up home. Videoed line afterwards, no obvious source of roots.

Changed maintenance frequency to 6 months  
Repaired line by contractor immediately after discovery of problem, June 2nd. The entire line was replaced the week following.  
Also changed maintenance frequency from 12 to 6 months.

Used restoration and cleaning service to clean area in home affected by overflow. Line placed on a more frequent cleaning schedule.

Videoed line after incident, on 12/10/2009. Replaced line segment with HDPE pipe on 12/14/2009, since video indicated line was broken.  
Oversaw work by a remediation contractor to clean the home at 241 Ramona. Ran lines downstream to ensure there was no blockage.  
About one week after the stoppage and immediate response, the main line was repaired at the location of the stoppage site.  
Cleaned up residence (restoration company) after clearing stoppage. Videoed line following day and determined that line was clear.

Videoed line on June 8, 2010, saw no problems or issues with the line.  
The Stege main was repaired by EBMUD crews on 8/16/10.  
Also changed cleaning frequency to every 3 months. No evidence of systemic problem in video review of line.  
Informed FOG inspectors from EBMUD, notified local resident about FOG program and disposal.

Cleaned up area, had business shut off bathroom connected to this line. Determined cause of overflow and replaced 57 feet of pipe.  
Videoed line on 11/16/10. Changed cleaning frequency to 6 months from 12 months. Will also treat next year with root foaming.  
Stege staff bypass pumped flow to a downstream manhole for almost 48 hours while the EBMUD water line was repaired.  
Videoed line afterwards on 2/28/11 and saw no obvious pipe defects. Concluded that roots came from an upstream source.  
Videoed line on 3/14/11 and found a break in the main line. Repaired line later that week. Restoration company cleaned residence.  
Videoed line on 3/16/11 and found root intrusion. Put line on a schedule for 3 month frequency of maintenance.

Video showed Asphalt in line from City paving project  
Repaired break on 9/20/2011  
Scrape up dirt in affected area and lay enviro-safe disinfectant. Notified homeowner to not flush baby wipes.

10/12/2007 15:55

10/23/2007 22:30

1/4/2008 11:20

1/4/2008 11:45

1/4/2008 11:20

1/4/2008 14:20

1/4/2008 12:00

4/24/2008 11:15

5/18/2008 11:30

7/13/2008 13:05

1/31/2009 11:20

9/17/2009 9:15

12/9/2010 2:00

1/4/2011 10:00

8/25/2011 13:15

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Other (specify below)

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Other (specify below)

Other (specify below)

Other (specify below)

Repaired sewer;Other (specify below)

Adjusted schedule/method of preventive maintenance

Will Video lines downstream of SSO, and investigate potential to increase capacity of line.  
Cleared minor obstruction downstream - may have had overflow anyway due to flow conditions.  
Investigating potential for increase of capacity downstream of SSO point.  
Looking at change to maintenance frequency. Videoed lines downstream of SSO, found no problems or issues..  
Investigating possibility of relief line in area to relieve line of portion of the flow. Have secured contractor to begin work or

Maintenance frequency raised to every 6 months from 12

Contacting plumbers working in area to notify District when cleaning laterals. Videoed line to make sure there are no othe

Will notify upstream customers about private plumbing practices when hiring plumbers - and try to contact specific plumb

Speaking to plumber about contacting us when clearing private line. Will also send letter to homeowner informing them o

Speaking to EBMUD about the delayed replacement/action they took to remedy their water line failure. Overflow would n

Moved line from 6 month to 3 month cleaning frequency. Talk to City about protecting sewers from debris when paving.



No

No

Yes

Yes

Yes

No

Yes

Yes

No

No

No

No

No

Yes

No

N/A  
N/A

Nothing visible.

NA

None

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

NA

NA

NA  
NA  
NA  
NA  
NA

NA

NA

N/A

NA

NA

None

Storm drain, several hundred feet upstream of outlet to Cerritos Creek.

Storm drain - outlet to creek hundreds of feet downstream.

Storm Drain, eventually reaches creeks and the Bay, too much runoff in area to sample.

NA - storm drain, eventually reaches creek downstream.

Storm Drain, eventually reaches Baxter Creek several hundred feet downstream. No easy access for sampling, runoff flows

Storm drain. Overflow entered storm drain system, Cerritos Creek is about 2 miles downstream. Very difficult to take samples

Entered storm drain system, about 1/2 mile upstream of El Cerrito system and about 2 miles upstream of drains entering

Creek

Storm drain. Eventually discharges to a creek, a few hundred feet downstream.

Storm Drain, creek very far downstream.

NA

Storm Drain

None.

NONE.

None

None - 50 gallons ended up in storm drain, well upstream of any creek or water body.

No water was affected, did not reach waters or storm drains.

Did not reach water or storm drains.

Storm Drain. The estimated 2070 gallons entered the storm drain system thousands of feet upstream of Cerritos Creek, a

No water was impacted, overflow did not reach water.

No impacted surface waters

No surface waters impacted.

n/a

n/a

not applicable

n/a

None

Not Applicable

n/a

No water quality samples taken;Not applicable to this spill

No water quality samples taken;Not applicable to this spill

No water quality samples taken

No water quality samples taken;Not applicable to this spill

No water quality samples taken;Not applicable to this spill

No water quality samples taken;Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken;Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

No water quality samples taken;Not applicable to this spill

No water quality samples taken;Not applicable to this spill

No water quality samples taken;Not applicable to this spill

Not applicable to this spill



None of the above;No water quality samples taken;Not applicable to this spill

None of the above;No water quality samples taken;Not applicable to this spill

None of the above

None of the above;No water quality samples taken;Not applicable to this spill

None of the above

None of the above;No water quality samples taken

None of the above;No water quality samples taken;Not applicable to this spill

No water quality samples taken

None of the above

No water quality samples taken;Not applicable to this spill

None of the above

None of the above

No water quality samples taken;Not applicable to this spill

None of the above;No water quality samples taken;Not applicable to this spill

Not applicable to this spill







800811 1/4/2008 15:18

80082 1/4/2008 15:23

80083 1/4/2008 15:25

83020 4/24/2008 12:45

83264 5/5/2008 10:45

83584 5/18/2008 12:35

85131 7/13/2008 11:45

90932 1/31/2009 11:08

94082 6/2/2009 15:30

96365 9/17/2009 10:36

107383 12/8/2010 1:43

110011 1/2/2011 13:15

115047 8/25/2011 13:41

